FILE NOTATIONS

Entered in N I D File ✓
Entered On S R Sheet
Location Map Pinned
Card Indexed ✓
I W R for State or Fee Land

Checked by Chief RJB
Copy N I D to Field Office
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 6-12-61
OW WW TA
SI GW ✓ OS PA

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log 7-18-62
Electric Logs (No.) 4
E I E-I ✓ GR GR-N ✓ Micro
Lat Mi-L Sonic Others Caliper Location
Gamma Neutron + Cement Log (2)
Electron Gauge
Temperature Log

8-10-92 fax

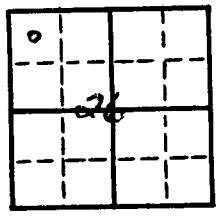
Form OGCC-1

(SUBMIT IN DUPLICATE)

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH



LAND:

Fee and Patented X
State ..... ☐
Lease No. .....

Public Domain ..... ☐
Lease No. .....

Indian ..... ☐
Lease No. .....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill	X	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 20, 19 60

Well No. #1 Byllesby is located 415 ft. from {N} line and 415 ft. from {W} line of Sec. 26

NW-NW-26 (¼ Sec. and Sec. No.) | T. 12 S. (Twp.) | R. 20 E. (Range) | S.L.M. (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5637.8 feet. ground

A drilling and plugging bond has been filed with State of Utah.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Plan to drill 8000' well with rotary tools to test basal Green River sands from 2400-2600', Wasatch sands from 3200-3800', Mesaverde formation from 5000 - 7300' and the Emery sand of the Mancos at approximately 8000', unless oil or gas in commercial quantity is found at lesser depth. Plan to set approximately 300' of 13 3/8" of H-40 smls. casing T. & C., 48# and cement from top to bottom by circulating. Plan to drill 8 3/8" hole with rotary tools using water as drilling fluid to 2000' and then to use a low water loss, low solids, oil emulsion mud. Dellson Drilling Company, Contractor.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company H. M. Byllesby & Company

Address 135 South LaSalle Street

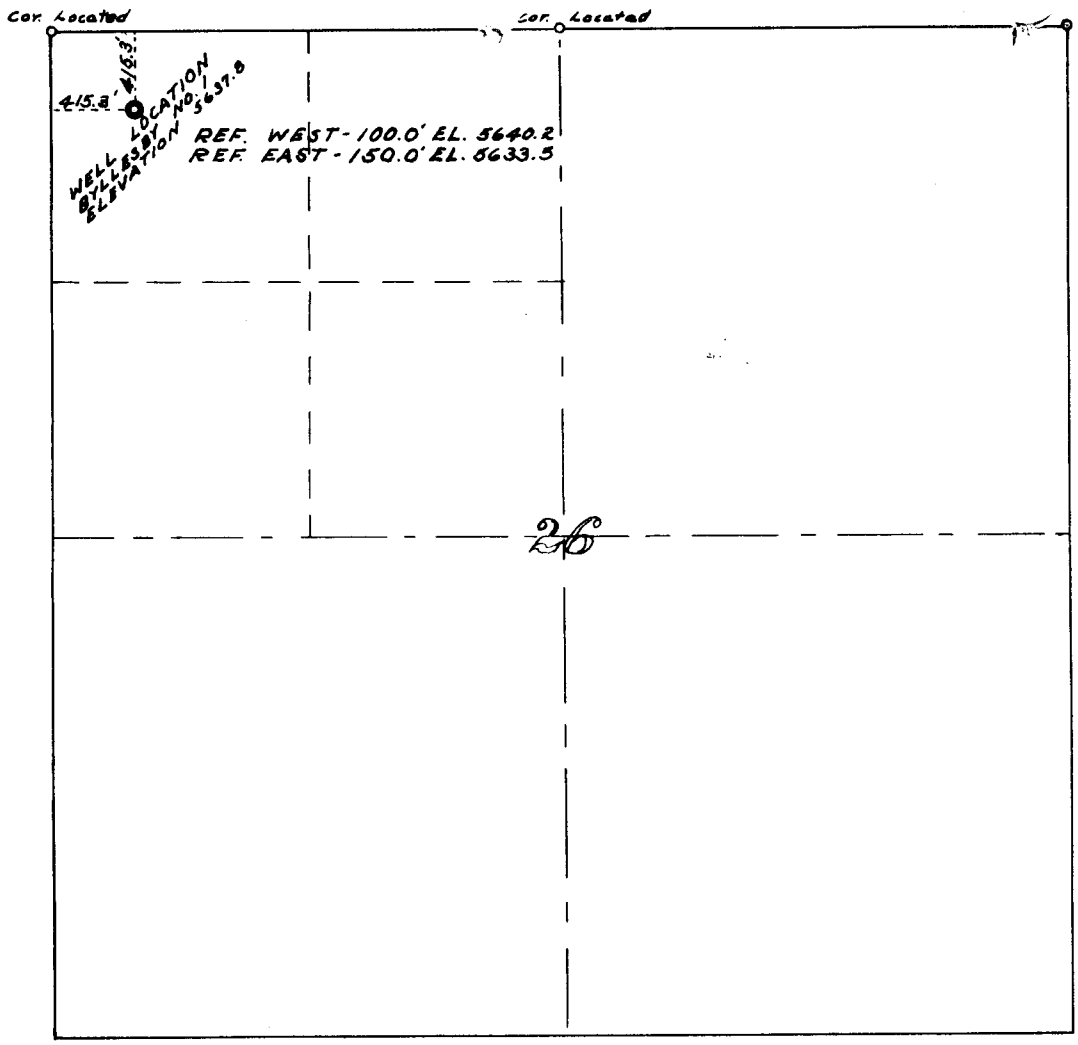
Chicago 11, Illinois

By Robert E. Covington
Robert E. Covington

Title Geologist

c/o Caldwell & Covington, P. O. Box 473, Vernal, Utah

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.



WELL LOCATION

BYLLESBY NO. 1

H. M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NW¼NW¼ SECTION 26,

T. 12 S., R. 20 E. OF THE S. L. B. M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

This is to certify that the "Well Location" shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.
Date Surveyed: Oct. 9 & 10, 1960

Tom Walker

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colo.
Certificate No. 1548-UTAH

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CALDWELL AND COVINGTON

PETROLEUM CONSULTANTS

VERNAL, UTAH

ROBERT E. COVINGTON
CRAIG CALDWELL

October 21, 1960

PHONE 1060

Oil & Gas Conservation Commission
State of Utah
State Capitol Building
Salt Lake City 14, Utah

Gentlemen:

Enclosed please find an original and one of our "Sundry Notices & Reports on Wells" for H. M. Byllesby & Company wells 1, 2 & 3.

Also enclosed are survey plats showing the location of the wells.

Thank you for your verbal approval by telephone to spud our #2 Byllesby well.

Very truly yours,

CALDWELL & COVINGTON

REC:jd

Robert E. Covington

Robert E. Covington

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CALDWELL AND COVINGTON

PETROLEUM CONSULTANTS

VERNAL, UTAH

ROBERT E. COVINGTON
CRAIG CALDWELL

PHONE 1060

October 25, 1960

Mr. Robert L. Schmidt, Engineer
State of Utah - Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Re: Request for Exception to well spacing, No. 1 Byllesby well, Uintah County, Utah

Dear Sir:

On October 21, 1960 we enclosed form OGCC-1, Sundry Notices requesting permission to drill our No. 1, Byllesby well in section 26 of Township 12 South - Range 20 East, S.L.M., Uintah County, Utah.

We hereby request permission to drill the No. 1 Byllesby well as an exception to paragraph C-3 (6) of the Rules and Regulations of the Oil and Gas Conservation Commission. This exception would be in conformence with paragraph C-3 (c).

The reason for requesting the approval for the location being located less than 500 feet from a legal subdivision is that the topography is such that it would be impractical to move the location to the exact center of the 40 acres.

Further, the ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

Very truly yours,

CALDWELL & COVINGTON

Robert E. Covington

Robert E. Covington

REC:jd

cc: H. M. Byllesby & Co.
Landon B. Stableford

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WESTERN UNION TELEGRAM

UWUA064 LB296 MB281

C JNA14 C JNA111 PD JN CHICAGO ILL 17 412P CDT

ED D SMITH AND SONS

425 SOUTH MAIN ST SALT LAKE CITY UTAH

PLEASE SEND EXECUTED BOND OF H. M. BYLLESBY AND COMPANY DIRECTLY TO THE STATE OF UTAH OIL AND GAS CONSERVATION COMMISSION IN SALT LAKE CITY WITH THE NOTATION THAT WE INTEND TO FILE APPLICATIONS FOR DRILLING PERMITSON OCTOBER 20 AND THE BOND IS BEING FILED FOR THAT PURPOSE

RICHARD E KARKOW SECRETARY H M BYLLESBY AND CO 135 SOUTH LASALLE STREET CHICAGO 3 ILLINOIS.

249P MST OCT 17 60

October 28, 1960

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Attention: Robert E. Covington, Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. #1 Rylleby, which is to be located 415 feet from the north line and 415 feet from the west line of Section 26, Township 12 South, Range 20 East, SLM, Uintah County, Utah.

Please be advised that approval to drill said well on said unorthodox location is hereby granted under Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FEIGHT, Executive Secretary
Office Phone: DA 8-0701 or DA 2-4721, Ext. 438
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer
Office Phone: DA 8-0701 or DA 2-4721, Ext. 438
Home Phone: AM 6-8616

Address all other forms of communication to the Utah Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:avg

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CALDWELL AND COVINGTON

PETROLEUM CONSULTANTS

VERNAL, UTAH

ROBERT E. COVINGTON
CRAIG CALDWELL

PHONE 1060

October 31, 1960

Mr. Cleon B. Feight, Executive Secretary
Oil & Gas Conservation Commission
State of Utah
310 Newhouse Building
Salt Lake City 11, Utah

Dear Sir:

We respectfully request that all information, other than drilling depth, with regard to the No. 1 Byllesby well in section 26 of Township 12 South - Range 20 East, S.L.M. , Uintah County, Utah be kept confidential within the period allowed by the State of Utah Oil & Gas Commission.

Very truly yours,

H. M. BYLLESBY & COMPANY

Robert E. Covington

Robert E. Covington, Geologist

REC:jd

cc: H. M. Byllesby & Co.
Landon B. Stableford

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Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for November, 1960

Agent's address Hotel Vernal Bldg. Company H. M. Byllesby & Co.

P. O. Box 473, Vernal, Utah Signed [signature]

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					Spud Nov. 8, 1960. Set 295 13/3/8" 48# casing (new). Cemented with 225 sacks cement. Drilling at 4815'
c C-NE-SW-5	T13S	20E	2					Drilling at 5355' on 11-30-60
C-SW-23	T13S	20E	3					Spudded 11-12-60. Set 305' of 13 3/8", 48# new casing, cemented with 230 sacks . On 11-30-60 drilling at 3560 feet.

KLS

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for December, 19 60

Agent's address P. O. Box 473 Company H. M. Byllesby & Co.

Vernal, Utah Signed [signature]

Phone 1060 Agent's title Representative

State Lease No. .... Federal Lease No. .... Indian Lease No. .... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					Drilling at 6959'
C-NE-SW-5	13S	20E	2					Drilling at 7321'
C-SW1/4-23	13S	20E	3					Drilling at 6071'

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for January, 19 1

Agent's address P. O. Box 473
Vernal, Utah

Company H. M. Byllesby & Co.

Signed Robert E. Covington

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					Shut in. Waiting on completion rig. Ran 7" casing, cemented with 2100 sacks cement. Landed at 7150'.
C-NW-SW-5	13S	20E	2					Conditioning hole preparing to run 7" caising. Total depth 8520'.
C-SW/4-23	13S	20E	3					Finished running 7" casing. Cemented with 1200 sacks cement. Landed at 6897.'

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for February, 19 61.

Agent's address P. O. Box 473 Company H. M. Byllesby & Co.

Vernal, Utah Signed [signature]

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NWθNW-26	12S	20E	1					Shut in. Waiting on completion rig. Ran 7" casing, cemented with 2100 sacks cement. Landed at 7150'.
C-NW-SW-5	13S	20E	2					Shut in. Waiting on completion rig. Ran 7" casing, cemented with 1200 sacks cement. Landed at 8438'.
C-SW/4-23	13S	20E	3					Attempting to complete well. As soon as well is completed, information will be added to report

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

March , 19 61

Agent's address P. O. Box 473
Vernal, Utah

Company H. M. Byllesby & Co.

Signed Robert E. Covington

Agent's title Representative

Phone 1060

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-2 6	12S	20E	1					Shut in. Waiting on completion rig. Ran 7" casing, cemented with 2100 sacks cement. Landed at 7150.
C-NW-SW-5	13S	20E	2					Shut in. Waiting on completion rig. Ran 7" casing, cemented with 1200 sacks cement. Landed at 8438'.
C-SW/4-23	13S	20E	3					T.D. 6850. Set 6827' of 7" casing, cemented with 1200 sacks. Perfs: 1. 6749-57 4 jets/ft 2. 6742-62 " " " " 3. 6702-12 " " " " 4. 6366-76 " " " " 5. 6694-84 " " " " Sqeeze 6. 6010-20 " " " " 7. 5908-18 " " " " Squeeze 8. 5366-76 " " " " Squeeze Drilling bridge plugs on 3-30-61. Ran casing scraper. Swabbing well through 2" tubing with perforated nipple landed at 6741 and productive packer set at 5245. Well flowing g diesel and mud.

E-2

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

April, 1961

Agent's address P. O. Box 473
Vernal, Utah

Company H. M. Byllesby & Co.

Signed Robert E. Covington

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
		CONFIDENTIAL - TITE HOLES						
NW-NW-26	12S	20E	1					Perf. 6942-56 & 6898-6908 Frac'd both zones individually. (Mesaverde fm.) Perf. 5680-5694, 5640-5650. Acidized perfs and frac'd. (Mesaverde fm.)
C-NW-SW-5	13S	20E	2					Perforated 8188-8192, 8096-8120 with 3 thor jets per foot. Frac'd both zones individually. (Blackhawk member of the Mesaverde)
C-SW/4-23	13S	20E	3					Testing well by flowing. Well flowing diesel, mud, oil & gas. No gauge. Preparing to install Camco lift valve and separator as oil is loading up tubing.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for May, 1961

Agent's address P.O. Box 473
Vernal, Utah

Company H. M. Byllesby & Co.

Signed Robert E. Campbell

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
		CONFIDENTIAL - TITE HOLES						
NW-NW-26	12S	20E	1					Perforated 4403-4404 & Squeezed with 100 sacks cement. Waited on cement 34 hours. Ran McCullough Cement log. Perf'd with 6 Perfo frac changes at 4394-4387. Spotted acid across perf and frac'd with salt water, sand & walnut hulls. Swabbed zone. Flined gas, mud & salt water.
C-NW-SW-5	13S	20E	2					Perforated 5792-5810 & 5754-5767 with 3 thor jets per foot. Acidized perfs and frac'd both zones individually. Squeezed liner perf due to communication. Perf'd 5919-5920 w/4 perfo jets for water shut off.
C-SW/4-23	13S	20E	3					Installed Camco lift & separator. Flowing & testing.

CALDWELL AND COVINGTON

PETROLEUM CONSULTANTS

VERNAL, UTAH

June 9, 1961

ROBERT E. COVINGTON
CRAIG CALDWELL

PHONE 1060

Mr. Bob Schmidt, Engineer
State of Utah
Oil & Gas Conservation Commission
Newhouse Bldg.
Salt Lake City, Utah

Dear Bob:

We are enclosing your form OGCC-4, report of operations and well status reports for the months of April and May, 1961.

I am sorry that we inadvertently failed to file the April report. This was an over sight on my part. I believe we will have all the wells completed within the next several weeks and will then proceed to forward to you the required well history and logs.

With best wishes.

Very truly yours,

CALDWELL & COVINGTON

Robert E. Covington

Robert E. Covington

cc: Ed Eastman

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for June, 19 61

Agent's address P. O. Box 473 Company H. M. Byllesby & Co.

Vernal, Utah Signed Robert E. Barnight

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
			CONFIDENTIAL - TITE HOLES					
NW-NW-26	12S	20E	1					Washed all perfs with mud lax Ran tubing, landed at 6950 KB. Displaced invermul with diesel. Set Model R packer at 4476 with sliding sleeve on top. Installed Christmas tree. Swabbed well. Lower zone producing through tubing, upper zone shut off by sliding sleeve. Preparing to open sleeve. Testing lower zone on flow tests.
C-NW-SW-5	13S	20E	2					Flowed & tested well. Swabbed & stop cocked well. Landed 2 7/8" E U E tubing at 8158 KB. Side door choke at 5894. Installed Christmas tree. Flowing and testing well by stop cocking.
C-SW/4-23	13S	20E	3					Moved in workover rig on 6-15-61. Displaced invermul with salt water. Cleaned out hole to 6862. Attempted to test interval 6684-6712. Packers failed Tested interval 6366-76. Recovered invermul, salt water & gas. Tested perf. 6010-20. Packer failed. Tested interval 6744-57. Frac'd zone. Recovered mud, salt water & gas. Tested interval 6684-6712. Recovered mud lax, water, gas & mud. Gave zone mud lax treatment swabbed [illegible] & mud lax.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

Confidential

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

July, 19 61

Agent's address P. O. Box 473 Company H. M. Bylleaby and Company

Vernal, Utah Signed

Phone 1060 Agent's title Representative

State Lease No. Federal Lease No. Indian Lease No. Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
			CONFIDENTIAL - TITE HOLES					
NW-NW_26	12	20E	1					See Attached Enclosures Confidential
C-NW-SW-5	13S	20E	2					See Attached Enclosures

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

H. M. BYLLESBY & COMPANY
REPORT OF FLOWING, SWABBI NG AND REWORKING

H. M. Byllesby Well No. 1 **Date 7-16-61**

Time P M			Gas M Ft.	
12:20	490	520	Poured 1 gal G-2 down Tbg. Lit flare - opened tbg.	
12:24	480	0	Tbg. dead	
12:39	475	475	Tbg would not unload - rocked well	
12:40	525	50		
12:41	575	100	Tbg started unloading dist.	
12:42	575	700	Flowing water	
12:43	550	825	Gas hit - with very heavy mist of water	
12:44	500	400	Flowing gas	Est'd 7 MM
12:45	500	550	Flowing gas & heads of water	
12:47	500	400	Flowing gas with mist	
1:00	425	175	Flowing gas with heads & mist	3MM
1:15	400	100	Flowing gas with heads & mist	2MM
1:20	400	75		
1:25	390	60	Flowing in heads	
1:30	390	30	Flowing in heads	Less than 1 MM
1:40	390	0	Tbg dead - S.I.	

ROBERT E. COVINGTON
CRAIG CALDWELL

PHONE 1060

SWABBING OR FLOWING RECORD

H. M. BYLLESBY WELL # 1 DATE 7-31-61

Time ___M	TBG Press		Choke	Gas M Ft.
11:55 AM	725#	Shut in press after unloaded.		
4:00 PM	300#	Opened up 4 hours on 10/64 choke.		
4:05	0#	Opened and blew down.		
4:15	150#	Unloading.		
4:20	0#	Shut in.		

H. M. BYLLESBY WELL NO. 1 DATE 7-14-61

TIME A M	CSG PRESS	TBG PRESS		GAS M Ft.
9:27	550	465	Put 3/4 gal G-2 down tbg & lit flare.	
9:35	550	465	Opened tbg.	
9:37	540	50		
9:40	660	0		
9:42	725	0		
9:43			Fluid hit (water)	
9:44	725	75		
9:45	710	175		Est'd
9:47	700	700	Gas up with v heavy mist (7mmcf)	7MM
9:55			Started heading up with strong mist between heads	
9:57	540	190	" " " "	3MM "
10:02	530	150-175	" " " "	"
10:05	530	125	" " " "	"
10:08	525	100		2MM
10:10	525	80		
10:25	510	40	Flowing in heads	
10:27	510	25-35	Left location	1MM
PM				
12:45	25	0	Returned - well dead - 51	
12:50	30	40		
1:00	30	40		

H. M. BYLLESBY WELL NO. 1 DATE 7-15-61

Time A M	CSG Press	TBG Press	Gauge Ft. In.	Diff Ft. In.	
7:15	600	675	S.I. 18 hrs.		
8:35	600	675			
8:54	600	670	TBG still building - opened TBG		
8:57	570	0	TBG dead		
9:10	525	525	TBG would not unload - Rocked TBG & Poured in 3/4 gal G-2		
9:17	525	525	Opened TBG		
9:20	500	0	TBG dead		
9:37	500	0	TBG would not unload		
9:38	475	475	Rocked TBG & opened to burn pit		
9:42	450	0	TBG dead		
9:47	450	0	Shut well in.		

State's Utah Copy

Confidential

H.M.BYLLESBY & COMPANY
Well No.1, Uintah Co.,
Utah

Report of Swabbing, Flowing & Rework Operations For
Month of July, 1961

Well # 1 7-1-6
Tubing pressure 150#. Casing pressure 400#. Blew well 30 minutes. Both casing and tubing pressure to 0# would not unload. Watered out.

Well # 1 7-2-61
Tubing pressure 150#. Casing pressure 400#. Moved in and rigged up swabbing unit. "Barker well service" Swabbed well down to 4,500. Well blew in and unloaded water and diesel. Blew strong for 3 hours then decreased to small flare. Continued swabbing.

FLOWING RECORD

Well # 1 7-3-61
Continued swabbing until 12:00 noon. Released and put swabbing unit on standby. Water had depleted and well was blowing a good flare. Shut in at 12:00 noon.

Well # 1 7-4-61
Tubing pressure 750#. Casing pressure 800#. Tubing pressure decreased to 200# in 10 minutes. Casing to 400# unloaded water and distillate for 10 minutes. Then had a heavy water mist for 20 minutes. Final flow casing pressure 150# tubing pressure 100#. Flowed 1 hour.

FLOWING REPORT
1 Byllesby Well , July 7, 1961

Opened well 12:40 p.m. Both sides. Tubing decreased to 175# casing 500# in 7 minutes. Then unloaded water and distillate for 10 minutes. Blew a heavy water mist for 5 minutes. Then cleaned up. Final Flow. Blew well for 40 minutes. Shut in casing 300# tubing 250#.

1 Byilesby Well, July 8, 1961

Tubing pressure 700#. Casing pressure 700#. Opened both sides at 7:40 a.m. Casing blew down to 375#, tubing 100# in 12 minutes. Then unloaded distillate and water for 10 minutes. Put well on orfice well test.

CALDWELL AND COVINGTON

PETROLEUM CONSULTANTS

VERNAL, UTAH

WELL HISTORY AND GEOLOGIC REPORT

H. M. BYLLESBY & CO., INC.

No. 1 Well

NW-NW-26

T12S-R20E SLM

Uintah Co., Utah

OFFICE: CALDWELL AND COVINGTON
Vernal, Utah

Summer - 1961

OPERATOR:	H. M. Byllesby & Co., Inc.
WELL:	Byllesby #1
LOCATION:	NW NW Sec. 26, T 12S, R 20E, Uintah Co., Utah
ELEVATION:	5648 K.B. 5637 Ground
COMMENCED:	November 8, 1960
SET SURFACE:	November 10, 1960
FROM UNDER SURFACE:	November 11, 1960
REACHED TOTAL DEPTH:	11:40 p.m., January 16, 1961
TOTAL DEPTH:	7726'
LITHOLOGY:	Irv Nielsen
CASING:	Surface: 13 3/8" J-55 48 to 295 feet Production: N-80 26 & 23# Long T & C 165 joints at 7150 K.B., Float collar at 7120', 1CV collar at 4637
HOLE SIZE:	8 3/4"
CONTRACTOR:	Dellson Drilling Co., Denver, Colorado
TOOL PUSHER:	Hubert Monroe
TYPE RIG:	Emsco 500

FORMATION TOPS:		Mean Sea Elevation
Wasatch:	2700	+2948
Mesa Verde:	5048	+ 600
Mancos:	7610	-1978

SAMPLES:	10 ft. rig samples, 400 ft. to T.D.
LOST CIRCULATION:	None

MUD PROGRAM:		
	0-2200	Gel and Water
	2200-5650	Gel, plug 6 to 8% oil, viscosity 40-50, water loss 45, weight 9.5 to 10.0, pH 9.
	5650-7718	Lime base, 6 to 8% oil, weight 9.5 to 10.3, Vis., 45 to 65, Water loss 2.5 to 3.5, pH 12.

2

WELL HISTORY

11-7-60	Rigged up and drilled rat hole.
11-8-60	From 0 to 300 ft. Spudded surface hole with 9 inch bit, drilled to 301. Reamed to 12 1/4 inch to 71 feet. Used 60 viscosity mud.
11-9-60	Reamed to 12 1/4 inch to 300 feet. Reamed to 17 1/2 inch to 135 ft.
11-10-60	Reamed to 17 1/2 inch to 295 ft. Rigged up to run surface casing.
11-11-60	Landed 10 joints surface casing, 13 3/8" to 48#) to 295 feet. Cemented with 225 sacks. Nippled up.
11-12-60	Finished nippling up. Drilled mouse hole. Drilled out from under surface casing to 578 feet with 9" bit. Footage 277.
11-13-60	Drilled 578-1087. Footage 499. Rotary table broke down at 1087. Came out of hole for repairs and new bit.
11-14-60	Down for repairs. Footage 0.
11-15-60	Drilled 1087 to 1335. Footage 248'.
11-16-60	Drilled 1335 to 1765. Footage 430'.
11-17-60	Drilled 1765-2170. Footage 405'.
11-18-60	Drilled 2170 to 2503. Footage 333'. Changed over mud to oil base.
11-19-60	Drilled and circulated samples to 2513. Ran DST #1 from 2490 to 2513. Recovered weak blow gas and 970 feet of water (See DST #1, this report) on bottom drilling at 6:55 p.m. Drilled to 2603 Footage 100' (total).
11-20-60	Drilled 2603 to 2870. Footage 267, down 4 3/4 hours for rotary table replacement.
11-21-60	Drilled 2870 to 3083. Footage 213'. Changed rotary table again.
11-22-60	Drilled 3083 to 3476. Footage 393'.
11-23-60	Drilled 3476 to 3692. Footage 216'.
11-24-60	Drilled 3688 to 4000. Footage 312'.

11-25-60 Drilled 4000 to 4248. Footage 248'. Changed rotary table again at 4130. Circulated samples for gas show in sand at 4099.

11-26-60 Drilled 4248-4404. Footage 156. Gas show at 4404. Circulated samples. Ran DST #2 4375-4494, gas to sufface in 8 min. at rate of 49,000 cubic feet per day. (See DST #2, this report).

11-27-60 4404-4425. Footage 21 feet core. Ran Schlumberger logs, Induction-Resistivity, and S.P. to surface, micro to 2000 ft.

11-28-60 Drilled and reamed 4404 to 4623. Footage 219 ft.

11-29-60 Drilled 4623 to 4779. Footage 156 ft.

11-30-60 Drilled 4779 to 4932. Footage 153 ft.

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12-1-60 Drilled 4932 to 5069. Footage 137 ft.

12-2-60 Drilled 5069 to 5215. Footage 146 ft.

12-3-60 Drilled 5215-to 5355. Footage 140 ft.

12-4-60 Drilled 5355 to 5477. Footage 122 ft.

12-5-60 Drilled 5477 to 5590, Footage 112 ft.

12-6-60 Ran DST #3 5475 to 5590. Packer failed. Drilled 5590 to 5605. Footage 15. Circulated samples, came out of hole for test, ran Elec. logs.

12-7-60 Ran DST #4 5574 to 5605. Packer failed. Went in hole with core barrel.

12-8-60 Cored 5605 to 5650. Went in hole with test tool, attempted DST #5, 5600 to 5650. Could not reach bottom.

12-9-60 Changed mud over to lime base. Hole caving, conditioned mud.

12-10-60 Circulated to condition hole, no drilling.

12-11-60 Circulated to condition hole, drilled from 5651 to 5662. Footage 11'.

12-12-60 Drilled from 5662 to 5687. Circulated samples. Cored 5687 to 5699, Core #3. Footage 37 ft.

12-13-60 Continued coring Core #3 to 5735. Recovered sand with gas show. (See Core #3 description this report) Hole still sloughing. Went back in hole with bit. Drilled 5735 to 5768.

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12-14-60 Drilled 5768 to 5863. Circulated samples. Went in hole for Core #4.

12-15-60 Core 5863 to 5956. Core #4 5863 to 5915. Core #5 5915 to 5956. Total footage 83 ft.

12-16-60 Continued coring Core #5 to 5967. Went in hole with bit drilled to 6010. Footage 54 ft.

12-17-60 Core 6010 to 6047 for Core #6. Went in hole with bit, drilled ahead to 6053. Footage 43 ft.

12-18-60 Drilled 6053 to 6087. Circulated samples. Went in hole for Core #7 6087 to 6107.

12-19-60 Drilled 6107 to 6195. Footage 88 ft.

12-20-60 Drilled 6195 to 6336. Footage 141 ft.

12-21-60 Drilled 6336 to 6484. Footage 148 ft.

12-22-60 Drilled 6484 to 6579. Footage 95 ft.

12-23-60 Drilled 6579 to 6646. Footage 67 ft.

12-24-60 Drilled 6646 to 6690. Footage 44 ft.

12-25-60 Drilled 6690 to 6743. Footage 53 ft.

12-26-60 Drilled 6743 to 6767. Footage 24 ft.

12-27-60 Drilled 6767 to 6838. Footage 71 ft.

12-28-60 Drilled 6838 to 6883. Footage 45 ft.

12-29-60 Drilled 6883 to 6907. Footage 24 ft. Circulated samples at 6907. Went in hole with tester. DST #6 6890 to 6907.

12-30-60 Completed DST #6. Gas to surface 1 1/2 min. at rate of 85,000 to 33,000 cfd with condensate. Went in hole for Core #8. Cored 6907 to 6945. Footage 38 ft.

12-31-60 Continued coring Core #8 to 6945. Recovered 11 feet, Ran DST #7 6917 to 6959, weak blow, no gas. Footage 14 ft.

1-1-60 Drilled 6959 to 6997. Footage 38 ft.

1-2-61	Drilled 6997 to 7009. Footage 12 ft. Down for repairs.
1-3-61	Drilled 7009 to 7073. Footage 64 ft.
1-4-61	Drilled 7073 to 7112. Circulated samples. Went in hole for DST #8.
1-5-61	Completed DST #8 from 7090 to 7112, no gas to surface. Rec. 30 feet drilling mud. Went back in hole with bit. Drilled 7112 to 7140. Footage 28 ft.
1-6-61	Drilled 7140 to 7211. Footage 71 ft.
1-7-61	Drilled 7211 to 7217. Went in hole for Core #9. Cored 7217 to 7251. Recovered 34 ft. Footage 40 ft.
1-8-61	Drilled 7251 to 7320. Footage 69 ft.
1-9-61	Drilled 7320 to 7345. Footage 25 ft. Down for repairs.
1-10-61	Drilled 7345 to 7410. Footage 65 ft.
1-11-61	Drilled 7410 to 7466. Footage 56 ft.
1-12-61	Drilled 7466 to 7516. Footage 50 ft.
1-13-61	Drilled 7516 to 7568. Footage 52 ft.
1-14-61	Drilled 7568 to 7613. Footage 45 ft.
1-15-61	Drilled 7613 to 7679. Footage 66 ft.
1-16-61	Drilled 7679

MIDNIGHT DRILLING DEPTHS

11-8-60	0	12-13-60	5768
11-9-60	Drilled and set surface	12-14-60	5863
11-10-60	casing.	12-15-60	5956
11-11-60	301	12-16-60	6010
11-12-60	578	12-17-60	6053
11-13-60	1087	12-18-60	6107
11-14-60	1087	12-19-60	6195
11-15-60	1335	12-20-60	6336
11-16-60	1765	12-21-60	6484
11-17-60	2170	12-22-60	6579
11-18-60	2503	12-23-60	6646
11-19-60	2603	12-24-60	6690
11-20-60	2870	12-25-60	6743
11-21-60	3083	12-26-60	6767
11-22-60	3476	12-27-60	6838
11-23-60	3688	12-28-60	6883
11-24-60	4000	12-29-60	6907
11-25-60	4248	12-30-60	6945
11-26-60	4404	12-31-60	6959
11-27-60	4425		
11-28-60	4624	1-1-61	6997
11-29-60	4779	1-2-61	7009
11-20-60	4932	1-3-61	7073
		1-4-61	7112
12-1-60	5069	1-5-61	7140
12-2-60	5215	1-6-61	7211
12-3-60	5355	1-7-61	7251
12-4-60	5477	1-8-61	7320
12-5-60	5590	1-9-61	7345
12-6-60	5605	1-10-61	7410
12-7-60	5605	1-11-61	7466
12-8-60	5651	1-12-61	7516
12-9-60	5651	1-13-61	7608
12-10-60	5651	1-14-61	7613
12-11-60	5662	1-15-61	7679
12-12-60	5699	1-16-61	7718

BIT RECORD

No.	TYPE:	IN:	FOOTAGE:	HOURS:	SERIAL NO.
1	OSC 3	0	301		56632
2	OSCIG	301	574		59663
3	OSCIG	875	202	4 1/2	49900
4	OSCIG	1087	395	17 1/2	25471
5	OSCIG	1482	342	15 3/4	49785
6	OSCIG	1824	366	20	50294
7	YT-1	2190	323	17	007023
8	OWV	2513	357	22 3/4	55546
9	YT-1	2870	442	26	007016
10	YT-1	3312	284	19 1/4	007019
11	OWV	3596	223	15 1/2	55515
12	S6	3819	311	18 1/4	484089
13	OSCIG	4130	274	20 1/2	49903
14	YT-1	4404	141	16 1/4	1867
15	OWV	4545	163	16 1/2	51168
16	OWV	4708	84	11	25061
17	OWC	4792	140	15 1/2	87165
18	OWC	4932	126	15 1/4	90162
19	OWV	5058	95	14 1/2	90582
20	OWC	5153	90	10 3/4	87523
21	OWC	5243	90	8 1/2	87170
22	Smith T-2	5333	53	8 1/2	43382
23	Reed YH	5386	104	15	706241
24	OWC	5490	100	11	47173
25	OWC	5590	15	2 1/4	87599
26	OWC	5687	176	18	1783
27	OWC	5967	83	8	1784
28	OWC	6107	88	17	25881
29	OWC	6195	135	17 1/4	25883
30	OWC	6330	130	15	43506
31	OWC	6460	91	16 1/2	25893
32	M4L	6551	70	16	489386
33	C4	6621	37		56227
34	H7	6658	32	10	462083
35	W7R2	6690	23	8 3/4	47216
36	H7	6713	23	8 3/4	415424
37	YH	6736	20		706264
38	RG1	6757	81	26 1/4	95060
39	YCG	6838	45	19 1/2	294328
40	L4	6883	24		56239
41	H7W	6959	50	12 1/2	291250
42	4W4	7009	70	15 1/2	61761
43	W7	7079	33	4 1/4	79143
44	H7	7112	33	10 3/4	391336
45	W7	7145	72	15 3/4	19316
46	W7	7251	56	13 1/4	31448

47	L4	7307	25	9 1/2	51345
48	H7	7332	56	14 3/4	391332
49	4W4	7388	65	19 3/4	60143
50	W7R	7453	41	14 1/2	20647
51	4W4	7494	45	14 3/4	63444
52	H7W	7539	32		401195
53	H7	7571	39	12 1/2	487613
54	4W4	7609	34	12 1/4	63373
55	H7	7643	50	13 1/4	487616
56	C4	7693	7720		63484

OIL AND GAS SHOWS

Basal Green River Section

No. 1	2503-2505	Penetrated an ostracodal limestone (coquina) with approximately 2 foot zone at top that was saturated with oil. Ran DST #1 2490-2513, recovered gas to surface in 1 1/4 hours and 970 feet of brackish water. Oil apparently at the top of water in this porous zone. Potential---none.
No. 2	2593-2595	Sandstone about 5 foot thick, 2592-2597, with 2 foot porous section saturated with oil and gas. Gave 30 unit kick on gas detector. No test, this sand is in the Douglas Creek member of the Green River formation. Potential---none.

Wasatch Formation (Top Wasatch 2700)

No. 3	4070-4090	Sand from 4070 to 4090 with shale break at 4085. Gas kick of 42 units from 4085-4090. Estimate that gas saturated sand is only 5 ft. thick. Samples had relatively small amount of very fine white salt and pepper. Potential---fair.
		Sandstone with calcareous cement. Potential---poor.
No. 4	4310-4335	Electric log indicates sandstone from 4310-4335 with numerous shale breaks. Samples indicated sandstone from 4320-4330, sand is white to brown very fine to fine, tight to slightly porous, some friable, calcareous cement. Detector recorded increase of 8 units over four foot interval. Potential---questionable. This interval looks very similar to the sand below at 4385-4404 which tested 50,000 cfd. If this zone proves productive after fracing, a test of the sand from 4310-4335 would be justified.
No. 5	4385-4404	Sandstone with shale breaks. Drilling break indicated sandstone gas detector recorded increase in gas. DST #2, 4375-4404 recovered 50,000 ~~dfg/d~~. Very little sand found in samples. Potential---good.

Mesaverde formation (Top of Mesaverde 5050')

No. 6	5505-5560	Three sands on electric log in this zone. 5505-5508 5815-5524, and 5540-5550. Gas detected in this zone increased a maximum of 12 units. Potential---poor.
No. 7	5617-5650	Sand with fair to good permeabilities and saturated with gas. Best zone is from 5627-5660. Two, one foot, intervals 5642-5643 and 5647-5648 had light blue fluorescense indicating condensate with the gas. DST attempts failed. Potential---good.
No. 8	5675-5697	Partly cored 5688-5696. Sand with 1 millidarcy permeability, 15% porosity and 8% bulk volume gas saturation. Potential---fair.
No. 9	5752-5762 5762-5772	Good drilling break, and gas increase of 80 units. Gas apparently from lower sand. Potential---good.
No. 10	5850-5897	Partly cored. Core #4, 5863-5895. Average permeability less than one. Average porosity 9%, consists of sand, very fine, slightly calcareous. Potential---fair.
No. 11	5910-5928	Core #5, 5915-5925. Average permeability 1 millidarcy. Average porosity 12% sand, fine to medium, slightly calcareous. Potential---fair.
No. 12	6000-6028	Sand, fine to medium, with average permeability of 0.3 md, 11% porosity. Potential---poor.
No. 13	6070-6091	Sand, very fine, hard and tight. Gas increase of 60 units. Partly cored, Core #7. Potential---questionable should look for degree porosity on sonic log.
No. 14	6891-6898	Samples indicated sand in this interval, circulated out samples at 98 lagged back to 91. Electric log shows sand from 6880-6890. Ran DST 6890-6907, recovered 33,000 cfgd and some condensate. Geolograph depth may have been off. Check sonic log for porosity. E. log show sand from 6900-6910. Potential---good.
No. 15	6907-6959	Core #8, recovered 11 feet of sand with coaly shale streaks. Sand had average permeability of 0.15 and porosity of 11%. Ran DST #7, 6917-6959. Recovered 30 ft. mud. Potential---questionable. Sands in this interval should be tested.

No. 16	7090-7112	Sand with coal. Gas show apparently from coal. Potential---none.
No. 17	7217-7251	Core #9. Section from 7228-7251 consisted of very finely interbedded sand siltstone and coaly shale, with oil saturation. Analysis 0.15 md permeability. Potential---none.
No. 18	7365-7400	Top sandstone of the Castlegate section of the Mesa Verde formation. Gas detector had increase of gas 65 units. Sample caught at peak gas kick contained 20% coal. Gas apparently from coal. Potential---none.

LITHOLOGY

Drilled and set surface casing. No samples to 400 ft.

400-410	Oil shale (organic marlstone) brown to dark brown, slightly calc.
410-420	As above, dark brown, rich in organic material.
420-430	As above with limestone, cream, tan, dense, and some sandstone, very fine, white, spotty dead oil stain.
430-440	Oil shale and limestone as above with trace of limestone, tan, pin point porosity, stained with dead oil.
440-450	Limestone tan, dead oil stain, some oil shale as above.
450-460	As above with trace of gray siltstone, micaceous.
460-470	Oil shale, (marlstone) dark brown, very rich in organic matter, thinly laminated.
470-480	Oil shale, brown, with dead oil stained limestone as above.
480-490	Oil shale, brown, as above.
490-500	Siltstone, gray micaceous, grades to shale, gray, micaceous.
500-510	Shale gray to brown, micaceous, silty.
510-520	As above with trace of ostracodal and oolitic limestone, brown, streak dead oil stained sandstone, white, very fine, calcareous.
520-550	Shale, gray, micaceous, and dark brown oil shale.
550-560	Shale, dark-brown, organic, (oil shale), sandstone, white, very limy, very fine, tight.
560-570	Shale dark gray, to gray, micaceous, silty, trace of sandstone, and oil shale as above.
570-580	Shale, gray, silty to sandy, with sandstone, white, fine, sub-rounded, friable, porous.
580-590	As above.
590-610	Shale, micaceous, silty.

610-620	Limestone, light tan, chalky, trace of sandstone, very fine, brown to tan, calcareous, tight.
620-640	Sandstone, very fine, gray, calcareous, tight, grades from siltstone to fine grained sand, some limestone as above.
640-650	Siltstone, gray, micaceous, calcareous, grades to shale, gray.
650-660	Sandstone, white, very fine, calc., sub-angular, to sub-rounded, siltstone, gray.
660-670	Shale, gray, micaceous, waxy, with sand as above.
670-680	Interbedded sand and shale as above.
680-690	Sandstone, white, very fine to fine, calcareous, with shale as above.
690-710	Shale gray to brown, calcareous, some silty, and sandstone, white, very fine to fine, calcareous, sub-rounded, tight.
710-720	Shale, gray as above, with sand as above, stained with dead oil.
720-730	Shale as above.
730-740	Shale as above with limestone, white to cream, dense.
740-750	Shale, gray, as above, some silty with streaks of ostracodal limestone, cream to tan.
750-760	Shale as above, silty.
760-770	Sandstone, white, fine, friable, sub-rounded, porous to tight, with shale as above.
770-780	Shale and sand as above.
780-790	Shale, gray to brown, calc., some silty, and thin bed of ostracodal limestone, cream.
790-800	Shale as above, silty.
800-810	Shale as above.
810-820	Shale as above with cream limestone, chalky and sandstone, very fine, gray, silty.

820-830	Shale as above, silty, grades to silty sandstone and sandstone, white, friable, fine, clear quartz grains, no visible cement.
830-840	Shale as above.
840-870	Shale, as above, with limestone, cream, chalky.
870-880	Shale with limestone, cream, dense, and some siltstone as above.
880-900	Shale, gray to light gray, calcareous.
900-910	Shale with trace of sandstone, very fine, brown, stained with dark brown oil, fluoresces blue-green, some ostracodal lime.
910-930	As above, with occasional piece of oil stained sandstone.
930-940	As above.
940-950	Shale, gray, slightly calcareous with streak of sand, very fine, white, slightly calcareous, tight, few pieces of ostracodal limestone.
950-960	Shale gray as above.
960-980	Sand, white, very fine to fine, friable, fair porosity, calcareous, micaceous, pyritic, some ostracodal limestone.
980-990	As above with thin bed of ostracodal limestone.
990-1000	Sand, gray, very fine, silty, slightly calc.
1000-1010	Sand, white, very fine to fine, friable, fair porosity, no stain, slightly calc.
1010-1020	Shale, gray, waxy, non calc. and sand with spotty dead oil stain.
1020-1030	Shale, gray, silty.
1030-1040	Shale, gray, waxy, slightly calcareous.
1040-1050	Sandstone, white, very fine, calcareous, tight, and limestone tan, dense, some ostracodal limestone and gray shale.
1050-1060	Sand and shale as above.
1060-1070	Shale, brown, gray, purple.

1070-1080	Shale, brown and gray as above.
1080-1090	Siltstone, sandy, gray to brown.
1090-1100	Sandstone, white, fine, friable, slightly calc., Sub-rounded, interlock grains of clear quartz grains, mica, no stain.
1100-1110	As above with spotty dead oil stain, no cut.
1110-1130	Siltstone, white, grades from sandstone to siltstone.
1130-1140	Sandstone as above, with ostracodal sandstone.
1140-1150	Sandstone, light gray, fine friable, slightly porous, slightly calc., sub-rounded.
1150-1160	As above, v.f.g. to f.g., tight.
1160-1180	Shale, brown to gray-brown, mica.
1180-1200	Shale, gray, calc., mica.
1200-1210	As above gray to brown.
1210-1220	As above dark brown, looks organic (oilish)
1220-1230	Shale, varigated, brown, gray, lavender, yellow-brown.
1230-1240	Sandstone as above, slightly calc., trace of porosity, no stain.
1240-1250	Sandstone as above.
1250-1270	Shale, brown to gray.
1270-1280	Shale, brown, green-gray to gray, mica, slightly calc.
1280-1290	Shale as above grades to siltstone, same color to sandstone, white, v.f.g., slightly calc.
1290-1300	Sandstone, white, v.f.g., slightly calc., mica, trace of porosity.
1300-1310	Shale, brown, gray, green-gray, etc. as above.
1310-1320	Sandstone, white, v.f.g., calc., trace of porosity, siltstone, light gray, calc; shale, varigated, brown, dark-brown, gray.
1320-1330	As above with white to tan dense limestone.

1330-1340	Poor sample, predominantly sandstone as above, few pieces stained with dead oil, gold fluorescease, slight cut.
1340-1350	Sandstone as above with limestone, brown dense and shale as above.
1350-1360	Limestone, yellow-brown, dense, shale, brown to gray, trace of ostracodal limestone, brown as above.
1360-1370	Shale and limestone as above, with siltstone light gray and trace of ostracodal limestone.
1370-1380	As above with sandstone, white, v.f.g., trace of porosity, spotty dead oil stain.
1380-1390	Interbedded sandstone, shale, limestone, as above.
1390-1410	Shale, varigated, brown, tan, red-brown, gray, green-gray with siltstone, white to gray.
1410-1420	Siltstone, gray, calc.
1420-1430	Siltstone as above grades to sandstone, v.f.g., white, calc., trace of porosity, flecked with dead oil stain.
1430-1440	Sandstone and siltstone as above and dark brown shale.
1440-1460	Siltstone, brown, very calc., v.f.g., sandstone tan and yellow-brown, ostracodal.
1460-1470	Siltstone, gray, average, calc.
1470-1480	Shale, brown, red-brown, gray, slightly calc.
1480-1490	Shale, brown to gray, slightly calc.
1490-1500	Siltstone, light gray and with streaks of sandstone, white, v.f.g.
1500-1510	Siltstone as above with white sandstone, v.f.g., calc., tight, sub-rounded.
1510-1520	Shale brown to red-brown, gray, silty, calc.
1520-1530	Shale, red-brown, calc., average, some silty.
1530-1540	Siltstone, white, calc., some ostracodal, shale, red-brown to gray, silty.
1540-1550	Sandstone, v.f.g., white, very calc., tight.

1550-1560	Sandstone, gray, v.f.g., calc. with red-brown shale as above.
1560-1570	Sandstone, white, v.f.g., calc., tight.
1570-1580	As above v.f.g. to f.g.
1580-1590	As above fine sandstone, white, friable, clear quartz grains, sub-rounded, porous.
1590-1600	Siltstone, white, very calc.
1600-1610	Shale, green-gray, calc. with sandstone as above.
1610-1620	Siltstone, white, calc. as above, grades to v.f.g. sandstone, some gray to brown shale as above.
1620-1630	Sandstone, white, v.f.g., calc., tight, spotty dead oil stain, fluorescense pale blue (Jimmy Grey pipe dope) gold fluorescense, dead oil.
1630-1640	Sandstone, white, v.f.g. to f.g., some friable, trace of porosity, flecked with dead oil stain.
1640-1650	As above, pyrite.
1650-1660	As above.
1660-1670	Shale, green-gray to brown, slightly calc., average.
1670-1680	Siltstone, light gray, sandy, calc., grades to v.f.g., calc., tight, mica.
1680-1690	Sandstone, v.f.g., white to light gray, calc., tight as above.
1690-1700	Shale, black, mica, very calc., with limestone, gray, micro-chrystaline.
1700-1710	Sandstone, white, clean, calc., f.g., friable, clear quartz grains, fair visula porosity to tight.
1710-1730	Shale, gray, calc., waxy to sandy to siltstone, gray, calc.
1730-1740	Limestone, white, dolomite?, chalky, sandstone, white, as above, v.f.g.
1740-1750	Sandstone, white, v.f.g. to f.g., calc., tight, sub-angular to sub-rounded quartz grains, few pieces loose consolidated medium sandstone, friable, free quartz grains.

1750-1760	Sandstone, white, v.f.g., limy tight.
1760-1770	Shale, dark gray, red-brown, with sandstone as above.
1770-1780	Sandstone as above with gray limestone, micro chrysaline.
1780-1790	Sandstone, f.g., brown, sub-rounded to rounded, fair visual porosity, stain brown with heavy oil, gold fluorescense, good cut, 5% of sample. Drilling break at 1796-1802. Limestone gray to brown, micro chrystaline, and sandstone, white, v.f.g., limy, tight.
1790-1800	Sandstone, saturated as above, gold fluorescense, cut fluor. gold (10-20% of sample).
1800-1810	Sandstone, v.f.g., white, limy, tight with gray-grown to dark gray shale, mica, light gray siltstone, calc.
1810-1820	Sandstone, brown, f.g. to m.g., friable, sub-angular to sub-rounded, good porosity, stained with dead oil, no fluor, slight cut pyrite.
1820-1830	Sandstone as above but less dead oil stain, slight calc., tight.
1830-1840	Sandstone as above, f.g., tight, slightly calc., pyrite.
1840-1850	Sandstone as above, f.g., tight, slightly calc., pyrite.
1850-1860	Sandstone, white to brown stain, f.g., slightly calc., pyrite and spotty dead oil stain, no fluor.
1860-1870	Sandstone as above, v.f.g., to f.g., slightly calc., tight.
1870-1880	Sandstone as above, v.f.g. to f.g., no stain with interbedded gray green-gray shale.
1880-1890	Sandstone, white, v.f.g., to f.g., clean, slightly porous, slightly calc., no stain.
1890-1900	Sandstone, v.f.g., gray, tight, silty/
1900-1910	Sandstone as above, streaks of brown limestone, dense, fluor bright gold.
1910-1920	Siltstone, gray, mica grades to v.f.g., sandstone, gray as above.
1920-1930	Sandstone, gray, v.f.g., round, friable, slightly calc., trace of porosity.

1930-1940	Siltstone, brown, sandy mica, slightly calc. with trace of sandstone as above.
1940-1950	Limestone, brown, dense, and siltstone as above.
1950-1960	Shale dark brown to black, organic, looks like oil shale.
1960-1970	Shale dark brown to black as above.
1970-1980	Shale, brown to brown, dark, mass to thinly laminated, fluor. dull brown.
1980-1990	Shale as above with thin bed, tan limestone, ostracodal, chalky.
1990-2000	Shale, gray, mica, limy; siltstone, sandy, pyrite, gray, grades to f.g. sandstone.
2000-2010	Sandstone, white, limy, v.f.g., grades from siltstone to v.f.g. sandstone, from tight to slightly porous, pyrite.
2010-2020	Interbedded sandstone and gray shale as above.
2020-2030	Sandstone, v.f.g., white, slightly calc., tight, shale, gray, slightly calc., as above some siltstone, gray mica.
2030-2040	Shale, gray, slightly calc., silty.
2040-2050	As above with thin bed sandstone as above.
2050-2060	Sandstone, gray, v.f.g., dirty with shale as above.
2060-2070	Sandstone, white to gray, v.f.g. to f.g., slightly calc., tight, dark gray round grains, and bed of tan ostracodal limestone.
2070-2080	Sandstone, v.f.g., light gray, calc., silty, tight.
2080-2090	Shale, dark gray to black, slightly calc., silty, some sandstone as above.
2090-2100	Shale as above.
2100-2130	Sandstone, gray, f.g., rounded, fair porosity, no show, not calc., average cement. Drilling break 2110-2140.
2130-2140	Limestone, tan, ostracodal, chalky and sandstone, gray to white, some siltstone and gray shale.

2140-2150	Ostracodal limestone as above is a coquine fluoresces gold.
2150-2160	Limestone, light tan, dense.
2160-2170	Limestone as above with shale, dark gray, calc.
2170-2180	Siltstone, dark gray, calc., sandy grades to sandstone, light gray, v.f.g., ostracodal, calc.
2180-2190	Sandstone, light gray to gray and siltstone as above pyrite.
2190-2200	Shale dark gray, silty and siltstone as above.
2200-2210	Shale, dark gray.
2210-2220	Sandstone, white, v.f.g., tight, slightly calc.
2220-2230	Sandstone as above, pyrite, drilling break 2228-2248.
2230-2240	Sandstone, white, medium, loosely consolidated, sub-rounded, clean, clear quartz grains, very pyrite.
2240-2250	Sandstone as above with red shale, slightly calc.
2250-2260	Interbedded red shale and sandstone as above (first red shale at 2265).
2260-2270	Shale, red to brown-red, slightly calc., sandy.
2270-2280	Interbedded red-brown shale, silty mica, some gray-green with white siltstone, very calc.
2280-2300	As above with siltstone grades to very consolidated, white, v.f.g., sandstone.
2300-2310	Shale, red-brown as above and siltstone red-brown.
2310-2320	Shale gray to green-gray, silty, sandy with red-brown shale as above.
2320-2330	Interbedded shale, silty, green-gray and red-brown grades siltstone same color.
2330-2350	As above.
2350-2360	Sandstone, white, v.f.g., tight, slightly calc.
2360-2400	Sandstone, white, fine, friable, pyrite, slightly calc., tight to trace of porosity, sub-angular to sub-rounded.

2400-2420	As above grades to tight, v.f.g., white sandstone, slightly calc.
2420-2430	Ostracoquina, chalky, tight, fluor dull brown with sandstone as above.
2430-2440	Sandstone, white, v.f.g., average cement, tight, no stain, with ostracodal limestone, tan, dense.
2440-2450	Sandstone as above, grades to f.g., trace of porosity with ostracodal limestone as above, limestone fluor light tan.
2450-2460	Limestone, brown, ostracodal with sandstone, v.f.g., white, calc., tight, trace of porosity, no cut.
2460-2470	Sandstone, white, v.f.g. to f.g., some brown, sub-rounded, clear quartz grains, fair porosity to tight, with interbedded red-brown shale, silty.
2470-2480	Sandstone, white, v.f.g., tight, slighlty calc., trace of gilsonite with red-brown shale as above, no fluor.
2480-2490	Ostra chalk, stain with hydrocarbons, fluor, white, gives good cut, interbedded with black shale, slacks in water. DST #1.
2490-2500	Ostra coquina, (dense limestone coquina) with 2 ft. of porous coquina. Ran DST #1 2490-2513. Rec. 970' of brackish sulpher water, gas cut, gas to surface in 1 1/4 hours.
2500-2510	Sandstone, white, v.f.g., hard and tight with green-brown siltstone.
2510-2520	Limestone, ostracodal, tan, dense.
2520-2530	As above with gray and brown shale.
2530-2540	Siltstone, gray to light gray, limy
2540-2550	Interbedded lime stone and shale as above.
2550-2560	Interbedded limestone and shale as above.
2560-2570	Shale brown to gray, varicolored, slightly calc., ostracodal limestone, brown, probably cavings.
2570-2580	Shale, brown to gray, few pieces green and red shale, slightly calc. and brown ostracodal limestone.
2580-2590	Drilling break 2565-2600.

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Oil & Gas Show:

2593-2595	Sandstone, white, f.g., calc., loosely consolidated, sub-angular to sub-rounded, good cut, 30 units gas kick, fluor white, saturated with gas and visual brown spotty oil stains.
2595-2597	Limestone brown, ostracodal and oolitic, dense with gray and brown shale as above.
	Sandstone at 2593-2595 only 2' thick, not worth testing.
2597-2600	Siltstone, brown to gray, calc.
2600-2610	As above and dark gray shale, silty.
2610-2620	Shale, dark gray, silty, slighlty calc., mica with ostracodal limestone, brown, dense, no cut.
2620-2630	Siltstone, gray to brown, very limy, grades to v.f.g. white sandstone, tight, calc., ostracodal and oolitic limestone and gray to brown shale as above.
2630-2640	Siltstone, gray to brown, very calc.
2640-2650	As above.
2650-2660	Shale, brown, silty, calc., gray to dark gray shale, slightly calc.
2660-2670	Sandstone, brown, fine, porous, average cement, slightly calc., trace of porosity, clear quartz grains. Drilling break 2674-2696.
2670-2680	Sandstone, brown as above, looks like its stained with dead oil but does not give cut either in crushed or whole cuttings.
2680-2690	Sandstone as above to 2496.
2690-2700	Sandstone, brown, v.f.g., calc., tight, angular with red-brown siltstone.
2700-2720	Siltstone red-brown, very calc.
2720-2730	As above with streaks of gray to green gray shale.
2730-2740	Shale, red brown, silty, very calc.,
2740-2760	Shale and siltstone as above.
2760-2770	Siltstone and shale as above.
2770-2780	Sandstone, brown, calc., sub-angular to sub-rounded, red-brown shale and siltstone as above, trace of ostracodal or oolitic limestone.
2780-2800	Shale red-brown, waxy, trace of green-gray shale.

2800-2810	Siltstone as above with sandstone, brown to white, dirty, calc., tight.
2810-2820	Shale, red-brown, silty as above.
2820-2830	Siltstone, red-brown to light gray, very calc.
2830-2840	Siltstone brown as above.
2840-2850	As above with shale red-brown as above.
2850-2860	Shale, gray to yellow-brown with red-brown siltstone and shale as above.
2860-2870	Shale, gray to yellow-brown as above.
2870-2890	Shale, red-brown, silty.
2890-2900	Shale, red-brown to brown, silty, siltstone, brown to red-brown, occassional pieces of sandstone, white, v.f.g. slightly calc.
2900-2920	As above.
2920-2930	Shale, red-brown to brown silty as above.
2930-2950	As above with streaks green-gray shale.
2950-2960	Shale, brown-red to gray, silty
2960-2970	As above red-brown streaked with brown siltstone.
2970-2980	As above.
2980-2990	Shale, red-brown, silty and siltstone red-brown, calc.
2990-3000	Siltstone, brown, sandy, calc.
3000-3010	Shale, red brown, and green-gray shale.
3010-3030	Shale red-brown, with minor cuts, varigated shale and siltstone.
3030-3040	Siltstone, red-brown, very calc., and shale red-brown as above.
3040-3050	Shale as above with siltstone.
3050-3060	Siltstone, red-brown, calc.
3060-3070	Siltstone and shale as above.

3070-3090	As above predominately siltstone.
3090-3100	Siltstone as above, grades to v.f.g. sandstone, red-brown, silty calc., tight.
3100-3110	Sandstone and siltstone as above.
3110-3120	Sandstone, brown, v.f.g., hard and tight, calc., silty.
3120-3150	Sandstone as above, v.f.g. to f.g.
3150-3160	Sandstone as above grades to siltstone as above to red-brown waxy shale.
3160-3170	Sandstone, v.f.g., brown, hard and tight.
3170-3180	Siltstone and red-brown shale as above.
3180-3190	Siltstone as above with light brown sandstone, v.f.g. to f.g., tight, angular.
3190-3200	Sandstone, white, clean, slightly calc., angular to sub-angular, tight, trace of porosoity. Top Drilling Break 3205. Correlated with sandstone at 2860-2890 Sunray Utah #1. Sandstone, brown to white, f.g., slightly calc., tight to slightly porous, brown sandstone looks oil stained but does not fluor or cut.
3200-3210	Sandstone, white, f.g., clean, interlocking grains, clear quartz, very slightly calc.
3210-3220	Sandstone, brown, calc., f.g., very tight, looks oil stained but does not fluor or cut.
3220-3230	Sandstone, white, v.f.g. to f.g., tight to slightly porous, no stain or fluor, interlocking grains, clean, clear quartz, very little cement.
3230-3240	Sandstone as above, f.g.
3240-3250	Sandstone, as above with shale red-brown to green, waxy.
3250-3260	Sandstone, v.f.g, white, sub-angular to sub-rounded, tight, slightly calc., clean, no show.
3260-3270	Sandstone as above wiht red-brown, green-gray shale.
3270-3280	Siltstone, red-brown and shale red-brown, some green shale and sandstone as above.
3280-3290	Shale brown and red-brown siltstone as above. Drilling break 3298-3308. Lost 1' mud.

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3290-3300	Sandstone, white, v.f.g., looks friable and porous, very little in sample because of lost circulation.
3300-3320	Shale, red-brown and siltstone as above.
3320-3330	Sandstone, v.f.g., brown, firm, tight, no fluor, no gas kick Drilling Break from 3335.
3330-3340	Sandstone, f.g., white, clean, interlock quartz grains, clean, clear quartz grains no stain, fluor or cut.
3340-3350	Sandstone as above.
3350-3360	Shale brown to red brown with sandstone as above.
3360-3370	Shale as above.
3370-3380	Sandstone, v.f.g. to f.g., brown, clean, clear quartz grains, average cement, tight, slightly calc., no stain or fluor.
3380-3390	As above. Drilling Break 3374-3394.
3390-3400	Sandstone as above.
3400-3410	Sandstone as above, v.f.g., no stain or fluor.
3410-3420	Shale, red-brown and green-gray as above.
3420-3440	Shale, red-brown and green-gray as above.
3440-3450	Shale as above, trace v.f.g. white sandstone, tight, calc.
3450-3460	Sandstone, white, v.f.g., slightly calc., clean clear quartz, sub-rounded, porous.
3460-3470	Sandstone as above. Drilling Break 3458-3475.
3470-3480	Sandstone as above with red-brown shale as above.
3480-3490	Shale red-brown silty.
3490-3500	As above with sandstone as above, v.f.g., white, calc.
3500-3510	Sand as above, with red-brown shale and siltstone.
3510-3540	Sandstone, white to brown, v.f.g., slightly calc., no fluor, sub-rounded.
3540-3550	Shale, red-brown, calc.

3550-3570	Shale red-brown as above some green-gray.
3570-3580	As above with streaks of siltstone, light gray, calc.
3580-3590	As above with interbedded green-gray shale.
3590-3610	Shale red-brown as above.
3610-3630	As above with thin beds of green-gray shale.
3630-3640	Shale, red-brown as above with some light gray siltstone, slightly calc.
3640-3650	Shale, red-brown withw sandstone, v.f.g., dirty, slightly calc., tight.
3650-3660	Shale as above with sandstone as above and green-gray shale.
3660-3670	Shale, red-brown with green-gray shale. Drilling Break indicates sandstone from 3640-80. Samples predominately shale.
3670-3680	Shale as above with sandstone, v.f.g., gray, calc.,
3680-3690	Shale as above with some sandstone as above.
3690-3700	Shale red-brown, green-gray, calc., with brown to gray siltstone.
3700-3790	As above.
3790-3800	Shale, brown to red-brown.
3800-3820	Shale brown to red-brown as above.
3820-3830	Shale, brown to red-brown, some gray, green-gray, trace of siltstone, brown, calc., trace of sandstone, v.f.g., white, tight, no fluor.
3830-3840	As above with increase in gray shale.
3840-3870	Shale as above silty.
3870-3890	Shale brown to red-brown, slightly gray-green-gren with minor amount sandstone as above.
3890-3910	Shale brown to red-brown, silty, slightly brown and gray silty sandstone.
3910-3920	As above silty.

3920-3930	Shale, brown to red-brown, silty, minor amounts gray and green-gray shale, trace of gilsonite, siltstone, brown, calc., and trace of sandstone, brown, v.f.g, calc.
3930-3940	Shale as above, silty, trace of gilsonite.
3940-3950	Shale as above with trace of gilsonite.
3950-3980	Shale, brown to red-brown, some gray, trace of gilsonite.
3980-3990	Shale and siltstone as above, trace of sandstone, as above trace of gilsonite.
3990-4000	As above.
4000-4010	Shale, red-brown to brown, brown siltstone, calc., as above few pieces of gilsonite, trace of sandstone.
4010-4030	Shale and siltstone as above, trace of sandstone, white, v.f.g., calc., tight.
4030-4040	As above with increase in siltstone and sandstone, v.f.g., gray to white, tight, slightly calc., siltstone is brown, calc.
4040-4050	Shale, red-brown to brown as above, silty with minor amount sandstone, gray-white, v.f.g, calc., tight, grades to siltstone.
4050-4060	Shale, red-brown to brown, silty, slightly gray-brown, trace of gilsonite, trace of sandstone, brown, silty, calc.
4060-4070	Sandstone, white, brown, v.f.g., slightly calc., sub-angular to sub-rounded, tight to slightly porous, no fluor or cut with shale, brown, red-brown, as above.
4070-4080	Shale, brown to red-brown with sandstone as above.
4080-4090	Gas kick 42 units at depth 4099. Driller had switched to auxilliary pump 6 3/4 liners, 58 strokes per min, 12 inch stroke. Lag time estimated at 35 min. Lag was 26 min. (prior to switch). Pulled off bottom at 5:15 a.m. circulated sample. Recovered sample #1 in 25 min., shale, red-brown, some gray with trace of sandstone, white, v.f.g., calc., clear quartz grains, sub-rounded, looks tight to slightly porous. Caught #2 circulated sample 30-35 min., shale as above with increase in sandstone as above. No stain, cut or fluor. Drilled ahead for 5 ft. circulated, caught sample at 30 min., shale, red-brown to gray, trace of sandstone as above and siltstone, brown, calc., no fluor or cut. Recycled gas kick at 55 min. Estimated lag at 35 min. Mud at 1 a.m. wt. 9.7, Vis 46, W.L. 4., Cake 2/32, pH 8.4, Geolograph shows drilling break from 4070-90 penetration from 2 to 3 min. per foot. Penetration from 4099-4104, 3 min. per foot.

4090-4100	10 ft sample, predominately shale as above with minor amounts of sandstone as above. Drilling ahead. Checkdd lag on small pump 38 min.
4100-4110	Shale, red-brown, some gray as above, trace of sandstone as above.
4110-4120	Shale.
4120-4130	Shale as above with sandstone, v.f.g., white, calc., (15%)
4130-4140	Shale as above with streaks of gray shale and white sandstone, v.f.g., tight.
4140-4150	Shale as above with thin bed sandstone, v.f.g., white, calc., tight.
4150-4170	Shale as above.
4170-4180	Shale as above with bed of sandstone, v.f.g., brown, calc., tight, slight stain, yellow-brown.
4180-4220	Shale as above varicolored predominately red-brown.
4220-4230	Shale, brown to red-brown, some gray to green-gray, some mottled yellow and streaks of siltstone.
4230-4290	As above gray slightly yellow, calc.
4290-4320	Shale, brown to red brown, gray, yellow, brown with few pieces siltstone, gray and gray to yellow sandstone, v.f.g., calc.
4320-4330	As above with sandstone, brown-white and yellow, v.f.g., silty, calc., some hard and tight and some white, friable, v.f.g. to f.g., porous, siltstone, brown, calc.
4330-4340	Shale, brown, v.f.g., some light gray, friable, silty, calc.
4340-4350	Shale as above with some sandstone as above.
4350-4360	Shale, brown, red-brown, green-gray to gray, calc., trace of sandstone and coal.
4360-4370	Shale, red-brown, brown to yellow-brown, limy.
4370-4380	As above with trace of sandstone, yellow, stained, no cut.
4380-4390	As above wifh trace of coal.

4390-4400 Gas kick on Baroid Recorder at 4404 in drilling break from 4383 Lag 36 min. Shut down for connection 6 minutes. Gas from 4383. Gas recorded for 22 minutes. Gas apparently from sandstone at 4383-4395.
Caught sample #1 at 1:00 p.m.

Sample #1: shale, red-brown to gray, trace of sandstone, white, f.g., slightly calc., no fluor, trace coal, trace shale, white, limy, with black to brown spks.

Sample #2: Shale, gray with red-brown shale as above, trace of coal and sandstone as above., v.f.g., f.g.

Sample #3: As above with increase in sandstone and coal.

Sample #4: Shale, varicolored, red-brown to brown, gray green-gray, yellow-brown with decrease in sandstone.

Ran DST #2, shut in 30 min, strong blow. Gas to surface 8 min. Open 1 1/2 hours. Steady build up in blow for 1 hour, stabilized at 49,000 cfd. Shut in 1/2 hour.

IHP:	3241	FF:	59.6
ISIP:	1450.7	FSIP:	1762.8
IF:	53.3	FH:	2209.7

Lower ISIP apparently due to mud invasion of formation. FSIP higher after formation cleaned by gas. Low flow pressure.

Came out of hole with tester. Started coring. Cored 4404 to 4425, 21 ft., Recovered 20 ft.

4404-4405.5 Siltstone, gray, calc., looks quartzitic, very hard.

4404.4-4424.5 Shale red-brown, mottled green, very calc., streaks of carbonaceous shale as above.

4424.5-4425 Shale as above with thin interbeds of siltstone as above.

4420-4430 Shale, red-brown, brown, gray, calc., trace of sandstone, brown to yellow-brown, calc., silty, v.f.g., trace of limestone, brown and coal.

4430-4450 As above.

4450-4490 Shale red-brown, slightly gray, brown, green-gray, calc., trace of siltstone, brown to gray.

4500-4540 Shale, red-brown and gray interbedded calc., trace of limestone brown, dense, and siltstone, brown, calc.

4550-4570	Shale, gray- and green-gray, calc., sandstone, f.g., white, slightly calc., sub-rounded, friable, visual porosity, clear quartz grains.
4570-4580	Shale, red-brown and brown-gray, calc., as above with sandstone.
4580-4620	Sandstone as above brown, white, yellow-brown with shale as above.
4620-4640	As above with streaks of light gray limestone.
4640-4660	As above with siltstone, gray, calc.
4660-4680	Shale, gray to green-gray, calc., with red-brown shale as above.
4680-4700	Shale as above with streaks of sandstone, v.f.g., white, to yellow-brown, calc.
4700-4710	Shale, red-brown, some varigated.
4710-4720	As above with considerable gray silt.
4720-4730	Shale, red-brown and 50% varigated and gray shale.
4730-4750	Shale, red-brown, 25% varigated and grays.
4750-4760	Sand, v.f.g., salt and pepper, uniform appears tight and 40% as above.
4760-4770	Sand, v.f.g. to m.g., salt and pepper, appears tite, trace pyrite.
4770-4780	Siltstone and shale, red-brown and 40 grays, varigated, trace of sandstone.
4780-4800	Shales and siltstone, redpbrown and grays, green-gray.
4800-4810	Siltstone, gray to green, slightly calc., siltstone red-brown, shale red-brown varigated grays few dark grays.
4810-4820	Siltstone, red-brown some varigated shales.
4820-4830	Siltstone, red-brown and silts and shale varigated and gray, some limestone, tan, dense.
4830-4840	Siltstone, red-brown, 50% grays and green-grays, small amount of sandstone, f.g., tight, only slightly calc.
4840-4850	Siltstone, red-brown and green-gray, small amount of limestone, tan, dense.

4850-4860	As above and 20% sandstone, white, v.f.g, salt and pepper, slightly calc., no porosity.
4860-4870	As above and 30% sandstone and 5% limestone, tan, dense.
4870-4880	Shales gray and green-gray, semi waxy, some siltstone, same color, limestone, 5%, cream to tan, dense.
4880-4890	Shale as above, some bentenite, white, no limestone.
4890-4900	Shales as above, bentonitic, and 10% sandstone, v.f.g. to f.g., white to salt and pepper, porous in part.
4900-4910	Shales, gray and green-gray, light gray, slightly calc., soft, some bentenite, white, trace of sandstone, f.g., salt and pepper as above probably some shales red.
4910-4920	Shales and silts, light gray to green-gray and some varigated, some siltstone red-brown, greens, grade silty and to slightly silty, no porosity.
4920-4930	Shales and silts grays as above, grade very slightly sandy in part and varigateds shales red-brown and mustrard etc., some bentenite, white,
4930-4940	Sandstone, v.f.g., silty, light gray to white, f.g., salt and pepper, no porosity, silty sands grades to silty shales, few varigated beds, some bentenite.
4940-4950	Sandstone as above and siltstone sandy and siltstones light green to gray, trace of limestone, tan, dense, bentenite, white.
4950-4960	Shales and siltstones, light gray and green-gray, some sandstone, v.f.g. to m.g. as above.
4960-4970	Shales, light gray to green-gray, waxy and varigated, some bentenite.
4970-4980	As above, 15% sandstone, v.f.g. to f.g., white, low porosity, trace bf limestone, tan, bentonite, shales are probably bentonitic in part.
4980-4990	Shales light gray and green-gray, grade sandy, v.f.g., some salt and pepper, also varigated beds, trace of limestone, tan, dense.
4990-5000	As above., trace of limestone, tan to cream, dense.

5000-5010	Siltstone and shale, light gray to green-gray, varigated beds, 15-20% sand to silty sand, salt and pepper, some pytite, trace of limestone, med gray, silty.
5010-5020	Shales, med gray to dark gray, calc., and limestone, gray and dense.
5020-5030	Shales med gray and green-gray, limestone, dense.
5030-5040	Shales, med dark gray, some black, calc., grade silty, few shales dark gray-green, waxy.
5040-5050	Shales and silts, med gray to dark gray, few black, trace of limestone, tan to gray-green.
5050-5060	Sandstone, v.f.g. to f.g., white, salt and pepper to dirty gray, silty calc., some black, car. and shaly partings, no porosity.
5060-5070	Sandstone, gray to dirty gray, silty, v.f.g., calc., micaceous, slightly salt and pepper, has more black shale partings than above, porosity none.
5070-5080	Sandstone as above, appears to have grades to siltstone, sandy, or sandstone, silty, light gray, more med gray shale and less black.
5080-5090	Shale and siltstone, med gray to med dark gray and shales green-gray.
5090-5100	As above with 15% sandstone, v.f.g., salt and pepper, non calc., tight, considerable varigated beds, mustard color, trace of limestone, tan (rather poor sample), some tan cream bentonite or bentonitic shale.
5100-5110	Shale, light gray to med gray, few dark gray.
5110-5120	Siltstone, med light gray and shales same, some very calc., probably grades in part to limestone, light gray, platy, few traces of v.f.g., sandstone.
5120-5130	Shale, light gray to med light gray, soft, grades silty and sandy to sandstone, f.g., salt and pepper, slightly calc., trace of limestone, light gray to tan-gray, dense.
5130-5140	Shale light gray, slightly pyritic, silty portions grade sandy and light gray, salt and pepper, v.f.g., clean, appears tight.
5140-5150	As above.

5150-5160	Shale, light gray to gray to green-gray, with trace of sandstone, white, v.f.g., clean quartz grains, slightly brown siltstone and shale.
5160-5200	As above with streaks of light gray siltstone, grades to v.f.g. sandstone, tight, silty.
5200-5210	Shale as above with green-gray shale, trace of sandstone, as above.
5210-5220	Sandstone, white, v.f.g., hard and tight, salt and pepper, slightly calc., and light gray shale as above, no fluor.
5220-5250	Shale as above with increase in brown shale, trace of sandstone as above.
5250-5270	Shale, light gray to gray, waxy, trace of silty sandstone, calc., gray.
5270-5290	As above with brown, waxy, shale.
5290-5310	Shale, light gray to dark gray, brown.
5310-5320	Drilling break from 6 to 10 min. per foot. to 2 min. per foot. Circulated samples 25 minutes after drilling to 5325. Lag 30 minutes. Sample consisted of: sandstone, white, v.f.g., rounded, tighttly cemented, slightly calc., no stain or fluor, grades to siltstone, light gray, slightly calc., no increase in gas on detector.
5320-5330	Shale, gray to light gray, waxy with trace of sandstone, f.g. to m.g., brown, angular, tight, slightly calc.,
5330-5340	As above with increase in sandstone as above.
5340-5350	Shale gray to light gray as above.
5350-5360	Shale varicolored with trace of v.f.g. sandstone.
5360-5370	Shale, varicolored, brown, gray, green-gray, red-brown, dark gray.
5370-5380	2 ft. Drilling break, sandstone, white, v.f.g., slightly porous, white, fluor, good cut, streaked with coal, slightly cut, no fluor. shale as above.
5380-5390	Sandstone, white, v.f.g. calc., salt and pepper grades from siltstone with shale as above.
5390-5400	Sandstone, white, v.f.g., calc., salt and pepper, very tight, sub angular.
5400-5410	Shale, light gray to gray, waxy, very slightly calc., soft, trace of sandstone, v.f.g., white, calc., hard and tight, grades to fine grained.

5410-5420 As above with green-gray to brown shale.

5420-5440 As above with thin beds of sandstone, v.f.g., white, tight.

5440-5460 As above predominately light gray to gray shale.

5460-5470 Shale as above with streaks of sandstone, white, v.f.g., trace of siltstone, calc., hard and tight.

5470-5480 Shale gray to light gray, slightly calc., waxy with sandstone and siltstone as above.

5480-5500 Shale gray to light gray as above.

5500-5510 Shale gray to light gray to brown with trace of sandstone, silty to v.f.g., slightly calc.

5510-5520 Shale gray to dark gray, slightly calc., waxy, trace of sandstone as above.

5520-5530 Shale, gray to dark gray to brown with loose sandstone grains, f.g., sub-angular.

5530-5550 Shale gray to light gray with sandstone, white, salt and pepper, v.f.g. to f.g., slightly calc., sub-rounded to sub-angular, soft.

Drilling break from 5502-5553, slight increase in gas. Circulated samples while conditioning mud at 5550.

Samples predominately shale, light gray to brown, dark gray with sandstone, white, v.f.g., salt and pepper, sub-angular to sub-rounded, slightly calc., tight to slightly porous and soft, no stain or fluor. Drilling break indicates sandstone.

5550-5580 Shale, gray to light gray, waxy, not calc., soft, trace of f.g. sandstone, clear quartz grains, and trace of siltstone, gray mica.

5580-5590 Shale as above wiht trace of loose sandstone, grains, clear quartz grains. Ran DST 3 5485-5590. Packer failed.

5590-5600 Sandstone, white, salt and pepper, v.f.g., slightly calc., light gray, gray carb., hard and tight, grades to siltstone, with shale, light gray, dark gray, brown, green-gray, non calc., some silty sandstone, no fluor.

5600-5605 Drilling ahead 5 feet, circulated one hour, shale, various shades of gray, soft with 5% sandstone, white, v.f.g., mica, salt and pepper, limy, trace of porosity, trace of siltstone, gray mica.

DST #4 5674-5605. Packer failed.

5605-5650 Core #2.

Core #2

5605-5615	Shale, dark gray, mica, silty, not calc., asphaltic coatings on small irregular fractures. Core broken in small pieces, some ground away, drilling rate indicates shale.
5615-5620	Sandstone, white, v.f.g. to f.g., salt and pepper, tight, interlocking grains, average cement, faint light blue fluor, scattered points of fluor, no cut.
5620-5621	Shale, dark gray, silty, hard, breaks in irregular frac, not cal., to 2 1/2 .
5621-5623	Sandstone, white, salt and pepper, v.f.g., silty, very tight, hard, slightly fluor, no cut, average cement, average cement asphaltic stains in paper thin layers, very slightly calc.
5623-5625	Siltstone, light gray, sandy grades to sandstone as above, very tight, carb. indicated.
5625-5628.5	Sandstone, white, salt and pepper, f.g. to med. grain, angular grains, fair porosity, average cement, slight pale blue fluor in scattered points grades to sandstone, white, v.f.g., silty, salt and pepper, tight.
5628.5-5629	Sandstone, white v.f.g. to f.g., as above slight indication of porosity, slight aple bluor fluor, no cut, slight yellow cut from paper thin layers of asphalt.
5629-5630	Sandstone, white, salt and pepper, v.f.g., fair porosity, calc., cemen with thin layers asphaltic materials, slightly carb.
5630-5632	As above, calc. cement, faint blue fluor, some pin point gold fluor.
5632-5633	As above, calc. cement, paper thin layers of asphaltic material, yellow cut.
5633-5634	As above sandstone, v.f.g., white, salt and pepper, angular, silty, calc. cement, faint light blue fluor.
5634-5636	Shale dark gray, silty, slightly calc., with siltstone, hard and tight. limy, light brown, grades to v.f.g. sandstone, light brown, limy hard and tight.
5636-5641	Sandstone, white, salt and pepper, v.f.g. to f.g., angular, poorly sorted, calc. cement, good porosity, 4 scattered points of light blue fluor.
5641-5643	As above, fluor light blue over entire surface gives slight cut in circulated samples, has pin point fluor

5643-5647 Sandstone, white, f.g. to m.g., slightly calc., fair porosity, with v.f.g. quartz, minute points of light blue fluorescense, no cut.

5647-5648 As above, slightly calc., good light blue fluor over entire surface, very faint cut.

5648-5649 As above, slightly calc., scattered pin point fluor.

5649-5650 As above sandstone, white, salt and pepper, f.g. to m.g., friable, good porosity, scattered pin point fluor.

DESCRIPTION:

First sample: Sample badly contaminated with cavings, shale varicolored, siltstone, gray, sandstone, salt and pepper, white, v.f.g., and limestone, tan to brown, dense.

Second sample: 5651

Third sample: 5652. Sample contained as above including sandstone, v.f.g. to f.g., salt and pepper, slightly calc., angular, no cut or fluor, siltstone, gray, slightly calc.

Fourth sample: 5653. Sandstone as above, slightly calc., no cut or fluor, increase in shale, dark gray.

Fifth sample: 5654. Sandstone, white, salt and pepper, v.f.g. to f.g., angular, slightly calc., no fluor with shale dark gray as above and cavings.

Sixth sample: 5656. Sandstone as above, increase in percentage over above.

Seventh sample: Shale dark gray.

Drilled ahead 5'. Circulated samples. Sample #1--one hour.

5656-5657 Shale, gray, dark to light, mica, with sandstone, v.f.g. to f.g., white, salt and pepper, slightly calc., no stain, fluor or cut.

5657-5659 Shale as above with siltstone, white, slightly calc., grades to sandstone as above.

5659-5660 As above with few Wasatch cavings.

Conditioned mud until 10:10 a.m. Started drilling ahead with 15,000# wt, 70 RPM. Drilled from 5662 to 5687. Changed to 25,000# wt at 5676. Hit drilling break at 5679'. Circulated samples 1 hour 15 min.

5660-5670 Shale, gray to dark gray, slightly calc., waxy, trace of sandstone, white, v.f.g., salt and pepper, slightly calc., hard and tight, sample contaminated with cavings.

5670-5680 Shale, gray to light gray, not calc., with sandstone, white, salt and pepper, f.g., average cement, angular quartz grains, tight no fluor or cut, sample contains cavings. Drilling break at 5679'. Gas kick 85 units at 5687'.

SAMPLES:

First sample: Lagged back to 5679-80. Siltstone, brown, sandy, carb., no cut, with sandstone as above and shale, gray, slightly calc.

Second Sample: 5682-5683. As above.

Third Sample: 5683-5685. As above.

Four th Sample: Sandstone, white, salt and pepper f.g. to v.f.g., slightly calc., hard and tight, angular quartz grains, clear , interlocked, no fluor or cut, with shale, gray to dark gray, sample contained Wasatch shale sample lagged back to 5687.

CORE #3 5687-5738

5687-5688 Shale, dark gray, slightly calc., carb., very hard, silty.

5688-5689 Sandstone, v.f.g., white, salt and pepper, sharp, not calc., average cement, fair porosity, no stain or fluor.

5689-5690 Sandstone as above, very porous, f.g., no stain or fluor absorbs water rapidly, good perm. friable.

5690-5691 Sandstone as above, tighter, no stain or fluor.

5691-5692 Sandstone, f.g., as above, very porous, friable.

5692-5693 Sandstone as above, very porous.

5693-5694 Sandstone as above, porous, few scattered light blue pin point fluor. very light has purplish fluor cast.

5694-5695 Sandstone as above, slightly calc., fair porosity, no cut.

5695-5696 Sandstone as above, calc., cement, fari porosity, fluor purplish over surface with pin point light blue fluor, no cut.

5696-5697 Shale, dark gray, carb., no calc., soft.

5697-5699 Shale as above, silty hard.

5699-5700 Shale as above breaks in very sharp frac, very hard, not calc., carb.

5700-5701 Shale, silty carb., soft, not calc., gray.

5701-5702 Siltstone, white, salt and pepper, slightly calc., carb.

5702-5703	As above grades to v.f.g. sandstone, salt and pepper, slightly porous, very carb.
5703-5705	Shale, dark gray silty, carb., hard.
5705-5707	Siltstone, brown, salt and pepper, slightly calc.
5707-5709	Shale, dark gray silty, very organic, carb.
5709-5710	Siltstone as above, very carb, calc.
5710-5711	Siltstone, calc., gray, shaly and carb.
5711-5712	Shale, dark gray to black, very carb., coaly streaks.
5712-5714	Shale, dark gray, carb, non calc.
5715-5715	Shale, dark gray, carb., non calc.
5715-5716	Shale, gray to dark gray, non calc., with coal streaks.
5716-5717	Shale, dark gray to black, streaks of coal, very carb.
5717-5718	Shale, gray to dark gray, car., slightly calc.
5718-5722	Shale, dark gray to black, very car., few coaly streaks, hard.
5722-5723	Shale dark gray, sandy, very carb., non calc., hard.
5723-5724	Sandstone, slightly calc., white, f.g. porous, salt and pepper, angular.
5724-5725	Siltstone, white, salt and pepper, sandy, calc.
5725-5726	Shale dark gray, silty, non calc., very carb., hard.
5726-5727	Shale gray, silty, hard, non calc.
5727-5729	Shale gray, not calc., hard.
5729-5731	Shale dark gray, car., hard.
5731-5733	Shale as above with coaly streaks.
5733-5734	Shale as above with thin interbeds of coal.
5734-5735	Shale, dark gray, carb., hard, calc.
5730-5740	Shale, gray to dark gray with cavings of varicolored shale, trace of sandstone, v.f.g. to f.g., white, siltstone, dark gray.

5740-5750	Shale as above with sandstone, white, v.f.g., salt and pepper, tight, slightly calc., cavings from Wasatch. Drilling break from 5752-5775.
5750-5760	Shale as above with increase in sandstone, v.f.g., white to gray, salt and pepper, silty, calc., tight, cavings at light gray and brown shale.
5760-5770	Shale as above, looks bad, contaimated with red-brown shale cavings from Wasatch, some dark gray to black shale and sandstone as above, yellow fluor. of limestone, light gray to brown.
5770-5780	Sandstone, white, v.f.g., calc., salt and pepper, angular, tight, no fluor, or cut.
5780-5790	Sandstone, white, v.f.g., as above, no fluor. or cut. Sample lagged would be 70-80 and the above sample would be 60-70.
5790-5800	Sandstone as above, grades to gray siltstone, no fluor. or cut, calc., with dark gray shale as above.
5800-5810	Sandstone, as above, v.f.g., silty, with increase in shale, dark gray, non calc.
5810-5850	Shale, dark gray, non calc., with sandstone, white, f.g., salt and pepper, cal c., angular, tight, some Wasatch shale, cavings.
5850-5860	Sandstone, v.f.g., white, tight, calc., salt and pepper with shale, dark gray, non calc., as above.
	Gas kick 25 units at 5848. Lagged sample 5848. Shale dark gray, non calc., some carb., some siltstone, white, calc., few pieces coal. Sample contaminated with cavings.
5851	Shale as above, few pieces sandstone as above.
5854	Shale as above gray to dark gray.
5863	Sandstone, white, v.f.g. to f.g., calc. cement, hard and tight, salt and pepper, angular with shale as above.
CORE #4	5863-5915
5863-5866	Sandstone, v.f.g., light gray, very hard and tight, calc. cement, no fluor.
5866-5868	Sandstone, white, v.f.g., slightly clac., angular, salt and pepper, very hard and tight.
5868-5874	Sandstone as above, f.g., with thin coaly streaks.

5874-5876	Sandstone as above, very calc., very hard and tight.
5876-5880	Sandstone, f.g., calc., very hard and tight, slight pale blue pin point fluor.
5880-5882	As above with streaks of carb. material.
5882-5883	As above with interbeds of thin streaks of coal (1/16")
5883-5888	Sandstone as above without coaly layers.
5888-5889	Shale, dark gray, slightly calc., carb. streaks of sandstone.
5889-5892	Sandstone, white, f.g. to m.g., salt and pepper, slightly porous, slightly calc., angular interlocking grains, no fluor.
5892-5893	Sandstone as above, f.g.,
5893-5894	Samdston as above, looks tighter, calc., cement.
5894-5895	Sandstone as above, calc.
5895-5896	Shlae, gray to dark gray, not calc.
5896-5898	Shale, dark gray, slightly calc.
5898-5900	Shale, gray to dark gray, some silty.
5900-5901	Sandstone, v.f.g., white, salt and pepper, with carb. inclusions tight, calc.
5901-5904	Shale as above with carb. and sandy streaks.
5904-5905	Siltstone, light gray, salt and pepper, grades v.f.g. sandstone.
5905-5907	Sandstone, v.f.g., light gray, salt and pepper, slightly calc., hard and tight.
5907-5908	Sandstone as above, v.f.g. to f.g., salt and pepper, hard and tight, slightly calc.
5908-5909	Sandstone as above, v.f.g., calc.
5909-5911	As above, friable, calc., hard and tight.
5911-5912	Siltstone, light gray as above with shaley and sandy streaks.
5912-5913	Sandstone, v.f.g., light gray, salt and pepper, calc., slightly friable, hard and tight.
5913-5915	Sandstone as above with coaly streaks

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CORE #5	5915-6010
5915-5920	Sandstone, white, salt and pepper, angular, slightly calc., very hard and tight.
5920-5925	Sandstone, white, salt and pepper, f.g. to m.g., calc. to slightly calc., slightly porous.
5925-5930	Siltstone, light gray, slightly calc., coaly streaks.
5930-5935	Shale dark gray, coaly non calc., hard and brittle, thinly laminated.
5935-5940	Siltstone, brown to gray, calc., sandy.
5940-5945	Siltstone as above with thin layers carb material.
5945-5950	Sandstone, v.f.g., very hard and tight, slightly calc., angular.
5950-5955	Siltstone, sandy, drty, carb.
5955-5960	Shale, dark gray, carb.
5960-5967	No sample, no recovery.
5970-6010	Shale, dark gray, sample very contaiminated with cavings. 5984-6010. Drilling break indicates sandstone in this interval. Sample too contaiminated to identify true bottom hole cuttings.
CORE #6	6010-6080 Gas kick 60 units at 6000 ft.
6010-6014	Sandstone, white, salt and pepper, f.g., angulard, hard and tight, slightly calc., no fluor.
6014-6016	Sandstone as above increase in black grains, quartz grains appear re-xlized.
6016-6017	As above sandstone has flakes of biotite mica.
6017-6018	Shale, dark gray to black, sandy with thin streaks of coal or carb. materials.
6018-6023	Sandstone v.f.g., white, salt and pepper, slightly calc., hard and tight, angular.
6023-6026	As above, f.g. to m.g., hard and tight, fluor light blue over surface, no cut.
6026-6027	Sandstone as above, clean, slightly friable, fluor faint light blue over most of the surface.

H2

6027-6028	Siltstone, brown, limy, sandy.
6028-6030	Coal, shaly
6030-6047	Shale, dark-brown with black coal.
6050-6060	Shale, gray to dark gray, few pieces sand, v.f.g., white, salt and pepper, hard and tight.
6060-6070	Sample mostly cavings few pieces of white sandstone, v.f.g., salt and pepper, shale gray to dark gray as above.
6070-6080	Gas kick 42 units, as above, Circulated samples, shale as above with few pieces sandstone as above, went in with core barrel.
CORE #7	6086-6107
6086-6087	Siltstone, gray, sandy, not calc.
6087-6089	Sandstone, v.f.g., white, salt and pepper, hard andt tight, not clac.
6089-6090	Sandstone as above, v.f.g. to f.g., no fluor.
6090-6091	Sandstone as above, very hard and tight.
6091-6094	Shale dark gray, carb., brittle.
6094-6096	Siltstone, shaly, very hard and bitttle.
6096-6100	Shale dark gray, non calc., breaks in irregular fractures.
6100-6107	Rec. shale as above to 6104.5, no rec. to 6107.
6110-6120	Shale, dark gray, non calc., look like cavings.
6120-6150	Shale as above about 20% Wasatch cavings.
6150-6180	As above with trace of sandstone, white, friable, salt and pepper, very tight.
6180-6200	As above with 20% Tw cavings.
6200-6270	Shale as above with increase in sandstone, white, f.g. to v.f.g., salt and pepper, slightly calc., hard and tight.
6270-6280	Drilling break at 6270 broke down to 4-5 min. per ft. Gas detector shows no increase, checked trap with methane, working fine.

6270-6280	Sandstone, white to gray, v.f.g. to f.g., not calc., very tight, poorly sorted.
6280-6290	Sandstone, white, v.f.g. to f.g., salt and pepper, hard and tight, sample mostly gray to dark gray shale. Drilling break indicates sandstone at this interval.
6290-6300	Sandstone, white, v.f.g. to f.g., salt and pepper, hard andtight, some clear quartz grains, f.g., slightly calc., no fluor, no cut.
6300-6310	Sandstone, v.f.g., white, salt and pepper, calc., hard and tight, no fluor, no cut, some siltstone, gray, calc., and cavings brown and gray shales.
6310-6320	As above with trace of coal, decrease in sandstone, increase in dark gray shale.
6320-6330	Sandstone, white, salt and pepper, v.f.g. to f.g., sub-rounded, calc. cement, friable with shale gray to dark gray, trace of coal.
6330-6340	Shale, dark gray with sandstone as above.
6340-6350	Shale, dark gray as above with decrease in sandstone as above.
6350-6390	Shale, dark gray.
6390-6400	Shale, gray to dark gray, coal, Drilling break from 6396-6400.
6400-6410	Shale as above with sandstone, white, v.f.g., calc., tight, sub-rounded, friable 50% coal. 25 units at 6408.
6410-6420	Shale, gray to dark gray, trace of coal, trace of sandstone, white, v.f.g., calc., sub-rounded and siltstone dark gray.
6420-6430	As above.
6430-6440	Shale gray as above. Circulated samples, shale with up to 40% coal, drilling ahead. 18 units at 48. 10% coal rest shale dark gray, no sandstone.
6440-6450	Shale, dark gray and siltstone, gray as above with 10-15% coal.
6450-6460	Shale as above with siltstone as above. 42 units 6463, coal.
6460-6470	As above with increase in sandstone, white to gray, v.f.g., salt and pepper, average cement, not calc., sub-rounded (10%) with 10% coal.
6470-6480	Sandstone, white to gray as above, no fluor or stain with trace of shal siltstone, and coal as above.

6480-6490 Sandstone as above with increase in shale and siltstone as above.

6490-6510 Siltstone, gray, not calc., 10% coal. 65 units at 6506. Coal from 6500.

6510-6530 Siltstone, dark gray, angular, trace of sandstone, as above, coal 5-10%.

6530-6540 Shale, gray to dark gray, silty, some gray shale with included clear quartz angular sandstone grains, soft, trace of coal.

6540-6550 Shale, gray to dark gray with sandstone, white to gray, f.g. to v.f.g., slightly calc., and gray sandy siltstone, 5% coal.

6550-6560 Shale as above with increase in coal and siltstone as above with sandstone, white, v.f.g., hard and tight, very slightly calc., clean, salt and pepper.

6560-6570 As above.

6570-6580 Shale, siltstone ans sandstone as above, 10% coal.

6580-6590 Shale as above with inclusions of dark gray siltstone, trace of coal and sandstne.

6590-6600 As above with increase in coal.

6600-6610 Circulated samples, shale, gray to dark gray with 5-10% coal, sample contains abundant pieces bentonite, white, soft with disseminated clear angular quartz grains, very limy, breaks down in water, may be non-emulsified drilling mud and lime. Gas is from coal.

Shale, gray to dark gray, not calc., sample has trace of sandstone, white, v.f.g., salt and pepper, tight, slightly calc., 5% coal.

6610-6620 Shale as above with 5% sandstone as above.

6620-6630 Shale as above with sandstone as above, trace of coal. This section very slow drilling must contain thin sandstone beds in shale, very hard.

6630-6640 Shale as above with sandstone as above. Sample contains abundant loose f.g. to v.f.g. sandstone grains.

6640-6670 Shale as above with decrease in sandstone as above.

6640-6670	Shale as above with decrease in sandstone as above.
6670-6680	Sandstone, white, v.f.g, hard and tight, grades to siltstone size particles but is entirely quartz, non calc., some coal and brown gray carb. siltstone, angular.
6680-6700	Sandstone as above with abundant coal, some siltstone as above.
6700-6710	As above increase in dark gray shale and decrease in sandstone.
6710-6720	As above.
6720-6730	Shale, dark gray to gray borwn, silty, not calc.
6730-6740	As above, dark gray, carb. with streaks of sandstone as above.
6740-6750	Shale, gray to dark gray, silty and siltstone, brown-gray, sandy, hard, not calc., trace of white sandstone and soft gray shale.
6750-6760	Shale and siltstone as above, 5% coal
6760-6780	Shale and siltstone as above with 15-20% coal, some white, sandstone, v.f.g., non calc., hard and tight, average cement.
6779-6784	Slight drilling break for 5 feet. Gas increase of 82 units, normal 20 units. Circulated out sample sandstone, white, v.f.g., slightly calc., loosely cemented, angular, no fluor or stain, sample has about 10% coal. Drilled ahead 3 feet. Good drilling break. Circulated out sample, 100% coal and gas kick of 75 units. 5 foot section above bad gas in coal.
	Drilling ahead caught sample from 91-92--75% coal, 75 units gas.
	Sample from 95-96. Coal 100%, 100 units of gas.
6790-6800	Siltstone sandy, consists of quartz grains of siltstone size, very tightly compacted, brown, not calc., and coal as above, some shale as above.
6800-6810	Shale, gray to dark gray with sandstone, v.f.g., white, slightly calc., some coal.
6810-6820	Shale, gray with sandstone, v.f.g. to siltstone size grains, tight, slightly calc.
6820-6830	Shale, dark gray with coal. Circulated out sample from 5822. 100% coal.
6830-6840	Shale, gray to dark gray with some coal, and sandstone, v.f.g., white, clean, tight, slightly calc.
6840-6850	As above.

6850-6860	Shale, gray to dark gray, not calc., some siltstone, gray and v.f.g., sandstone as above.
6860-6870	Shale, brown to gray, some silty with coal, 15% sandstone as above, trace.
6870-6890	Shale brown to gray, silty, very slightly calc.
6890-6900	Shale as above with sandstone, white, v.f.g., slightly calc., tight. Gas kick of from 25 to 92 units. Caught sample as gas increased. Sample consisted of sandstone, v.f.g to silty grain size, pale blue fluor., slightly calc., sub-rounded grains, soft, easilty crushed, slightly cut, clean quartz grains. Circulated out samples (lag 1 hr 20 min)
6898-6903	Sand as above with increase in dark gray shale, some trace of coal.
6903-6908	Circulated out samples.
6907	Ran DST #6. Gas to surface in 1 1/2 min. rate 85 to 33,000 cfd cond.cut. IF: 46, ISIP 3285, IHP 3570, FF 92, FH 3570. Rec. 35 condensate cut mud.
Cored 6909 to 6959.	Rec. 11 feet. Parto of core dropped out of core barrel. Pieces of core reoovered consists of sandstone, white, salt and pepper, non calc., very hard and tight with thin interlaminations of coal (every 1-2 inches), the sands are fine, sub-rounded, clay filled, has light blue fluor. Drilling time while coring indicates sandstone from 6935-45 and from 6950-6955. This should be compared with electric log interpretation.
DST #7	6917-6959. Open 1 1/2 hours , 45 min initial and final shut in. Tight blow when toold opened dead at end of test. Remaed to bottom.
6950-6960	See core desc. above.
6960-6980	Shale, gray to dark gray with sandstone, v.f.g., white, clean, hard and tight, sub-rounded grains, trace of coal.
6980-7010	Shale as above with increase in dark gray shale and coal.
7010-7030	Shale gray to dark gray, non calc., trace of light gray siltstone' and white sandstone, trace of coal.
7030-7040	As above with increase in sandstone, white, very hard and tight, calc., v.f.g., no fluor.
7040-7050	Circulated samples. 1. Shale gray to dark gray as above with trace sandstone and coal. 2. As above with interbedded sandstone. 3. Shale as above with sandstone, light gray, silty, dirty, v.f.g., hard and tight, no fluor, trace of coal.

4. Shale as above with minor amount of sandstone and trace of coal as above.

7050-7060 Shale as above with trace of sandstone as above, no fluor.

7060-7080 Shale as above, poor sample.

7080-7090 Shale as above with increase in coal.

7100-7110 Circulated samples, gas increased to 110 units.

1. 30 min. circulating sample, 15-20% coal, 10% sandstone, 70% shale, dark gray, organic and siltstone.

2. 45 min. sample had increase in sandstone as above and decrease in coal.

Drilled 7107-7112
1. Sample caught 1 hr 15 min. had 40% coal came from 7109-7111.

Ran DST #8 7090-7112. Weak blow throughout test. IHP: 3809, FHP: 3799, IFP: 46, FFP: 46, ISP: 368, FSP: 199. Open 1 hour, closed 30 min. Recovered 30' drilling mud.

7100-7110 Siltstone and shale, gray to dark gray, trace of coal and trace of sandstone, white, v.f.g., hard andtight, no fluor.

7110-7120 Shale and siltstone as above with increase in coal, trace of sandstone as above.

7120-7130 Shale, dark gray as above with 10% coal, 10% sandstone, brown, dirty, f.g., hard and tight, no fluor.

7130-7140 Shale, gray to dark gray with increase in sandstone, white to brown, v.f.g. to f.g., hard and tight, slightly calc., 10% coal.

7140-7150 Shale, gray to dark gray, non calc., trace of sandstone as above, coal as above.

7150-7160 As above streaked, white sandstone, clay filled, non calc., v.f.g., very tight.

7160-7180 Shale gray to dark gray, organic, trace of sandstone and coal.

7180-7190 As above with coal bed 86-90. Gas kick 45 to 60 units, check sample at time of gas inc. 40-50% coal.

Core #9:

7217-7218	Shale, dark gray, non calc., hard, carb., silicious.
7218-7220	Shale, black, very carb, with coal streaks, hard.
7220-7227	Shale, black, coaly as above.
7227-7228	Sandstone, v.f. to siltstone, brown, very hard and tight, clay cement, non calc., dirty, fluor orange, good cut (light blue) in streaks 1/8 to 1/2 inches finely interbedded with coaly streaks.
7228-7229	As above, sand is gray.
7229-7232	Shale, dark gray to black coaly wiht streaks of sandstone, siltstone as above.
7232-7233	Sandstone as above brown, fluor orange gives light blue cut wit h coaly partings. Sandstone 40-50% shale 60-50%.
7233-7234	As above, wavy bedded.
7234-7243	As above, sandstone grades to siltstone grains.
7243-7246	As above, black coaly shale comprises 80% of sample.
7246-7250	Shale, dark gray to black, very carb., with coaly streaks, few thin sandy streaks as above.
7250-7260	Siltstone, light gray, sandy, slightly calc.
7260-7270	Shale, dark brown, to dark gray, very carb., some coal.
7270-7280	Coal with shale, gray to dark gray, silty.
7280-7290	Shale, gray to light gray, silty, mica, not calc.
7290-7300	Siltstone, light gray, slightly clac., grades to light gray sandstone, v.f.g., slightly calc., v.f.g., salt and pepper, clay filled, trace of coal.
7300-7310	Siltstone as above grades to shale, brown to gray, very carb. trace of coal and sandstone as above.
7310-7320	Shale, as above, trace of coal and streaked, light gray bentonite.
7320-7330	Shale, light gray to dark gray as above, carb., bent., with thin streaks of coal, trace of sandstone as above.
7330-7340	Shale, dark gray, not calc., carb., with trace of coal and sandstone, white to gray, v.f.g., angular to sub-rounded, slightly calc., no fluor.

7340-7350	Shale, light brown to gray, as above.
7350-7360	As above with streaks of coal.
7360-7370	Shale, gray to dark gray as above with sandstone, white, v.f.g., hard and tight. Drilling break indicates sandstone.
7370-7380	Sandstone, light gray to white, f.g., sub-angular, hard and tight, not calc., with coal and shale as above, salt and pepper, clay filled.
7380-7390	Sandstone as above with 10% coal and trace of light gray siltstone.
7390-7400	Sandstone, as above grades to v.f.g. hard and tight, with increase in coal (94-96) 95 units gas kick from 94. Sample 20% coal.
7400-7410	Shale, dark gray, decrease in amount of sandstone.
7410-7420	Shale, dark gray as above grades to siltstone, sandy, gray to sandstone as above.
7420-7430	Interbbedded sandstone as above, shale as above and coal. Coal beds at 7428 and 7432.
7430-7440	Sandstone, white, salt and pepper, angular, hard and tight with frag. of coal in sandstone, grains f.g., clear quartz, clay filled, no fluor. or stain, with shale, dark gray as above.
7440-7450	Sandstone as above with thin coal bed.
7450-7460	Sandstone as above grades to v.f.g. salt and pepper sandstone, quartzitic, to shale, dark gray, non calc.
7460-7470	Shale, dark gray, non calc., increase in Wasatch cavings.
7470-7480	Shale, gray to dark gray with streaks of white chalky and sandy limestone, may be fracture filling, some sandstone as above.
7480-7490	Sandstone, v.f.g. to f.g., white, salt and pepper , very hard and tight, clay filled with shale, dark gray as above.
7490-7500	Sandstone, white, salt and pepper, v.f.g. to f.g., very tight, non calc., with beds of sandstone, white, clean, looks quartzitic and shale as above.
7500-7510	Sandstone as above, v.f.g. to f.g., clay filled, looks hard and tight, but grains cement with clay and break apart easily.
7510-7520	Shale, gray to dark gray, carb. with some sandstone as above.
7520-7530	Shale as above with thin streaks of sandstone, light gray, v.f.g., dirty, salt and pepper, clay filled, tight.

7530-7540	Shale, dark gray to light gray, non calc., with sandstone, white, salt and pepper., v.f.g. to f.g., hard and tight, clay filled.
7540-7550	Sandstone, gray, salt and pepper, hard and tight, angular, interlocking grains, clay cement.
7550-7560	Sandstone as above grades to gray siltstone, thin bed of black shale, very organic, some light gray and dark gray shale as above.
7560-7570	Sandstone, white, salt and pepper, v.f.g. to f.g., sub-angular, clean, non calc., interlocking grains, some coal, gray siltstone and black shale as above.
7570-7580	Sandstone as above, some gray siltstone and black shale.
7580-7590	As above sandstone with increase in gray siltstonw, rig sample siltstone, gray, slightly calc. with some sandstone as above.
7590-7600	Sandstone as above.
7610-7620	Siltstone, gray to dark gray, calc., carb., slightly sandy, trace of sandstone as above.
7620-7630	Siltstone as above with gray silty shale.
7630-7640	Siltstone as above with shale, dark gray, silty.
7640-7650	Shale, gray to dark gray silty, some carb., with streaks of sandstone, v.f.g., to silt sized grains clean, trace of sandstone, v.f.g., salt and pepper as above.
7650-7660	Shale, dark gray, silty, calc., carb., thin streaks of limestone, white, dense, trace of coal and salt and pepper sandstone as above.
7660-7670	As above with trace of sandstone, white, v.f.g., clean, calc., shale grades to dark gray siltstone, trace of limestone as above, white to yellow, dense.
7670-7680	As above.
7680-7690	Shale, dark gray, bentonitic, very soft.
7690-7720	Shale, dark gray, carb. with silty shale as above.

#1

DRILL STEM TESTS

DST #1 2490-2513

Intial shut in: 45 min. Open 3 hours, Final shut in: 45 min.

ISIP:	1100	FSIP:	1037
IHP:	1241	FHP:	1194
IFP:	94	FFP:	439

Remarks: Gas to surface 1 1/4 hours, weak blow throughtout test. Recovered 970 feet gas cut brackish water, with strong sulfer odor. Gas blow to small to measure.

DST #2 4375-4404

Initial shut in: 30 min. Open 1 1/2 hours, Final shut in: 30 min.

ISIP:	1450	FSIP:	1726.8
IHP:	3241	FHP:	2209
IFP:	53	FFP:	59.6

Remarks: Gas to surface in 8 minutes. Flow at rate of 49,000 cfd. Lower ISP apparently due to mud invasion of sand. Recovered 90' gas cut mud.

DST #3 5475-5590.

Packer failed.

DST #4 5574-5605

Packer failed.

DST #5 5600-5650

Failed to get to bottom.

DST #6 6890-6907

Initial shut in: 45 min. Open 2 1/2 hours, Final shut in: 45 min.

IHP:	3570	FHP:	3570
ISIP:	3285	FSIP:	2404
IFP:	46	FFP:	92

Remarks:

Gas to surface in 1 1/2 minutes. Rated 85,000 cfd, decreased to 33,000 cfd. Gas cut with condensate. Recovered 35 feet of condensate cut mud.

DST #7 6917-6959

Initial shut in:	Open:		Final shut in:
IHP:	3680	FHP:	3625
ISIP:	0	FSIP:	0
IFP:	0	FFP:	0

Remarks: No gas to surface.

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#1

DST #8 7090-7112

INitial shut in: 30 min. Open 1 hour, Final shut in: 30 min.

IHP:	3809	FHP:	3799
IFP:	46	FFP:	46
ISP:	368	FSP:	199

Remarks: Weak blow. No gas to surface. Recovered 30 feet drilling mud.

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CHRONOLOGICAL HISTORY

DATE	DEPTH	REMARKS
11/8/60	244	Spudded 2 A.M. Drld 9" hole to 244'. Dev 3/4 deg @ 35, 3/4 deg @ 75' ½ deg @ 96', 1 deg @ 125' 1 deg @ 180' ½ deg @ 210'.
11/9	301	Drld 9" hole to 301'. Reamed 12¼" hole to 300'. Reaming 17¼" hole @ 54'.
11/10	301	Reamed 17¼" hole to 295'. Rigged up to run Surf Csg.
11/11	301	Ran 10 jts 312' 13-3/8", 48# H-40 Csg.Landed @ 295 KB. Cemented w 225 Sax Reg + 2% Ca Cl_2 Plug down 3:30 A.M. WOC.
11/12	580	WOC 30 hrs.press'd Csg w 600 psi for 30 min held O.K. Drld on hammer 4 hrs. Drld out under surface w 9" bit 3/4 deg @ 399'. Drlg w water.
11/13	1087	Drld 9" hole to 875'. ½ deg @ 827'. Drld ahead w 8-3/4" bits. 0 deg @ 1085'. Mud wt 9.7 vis 44'. Rotary broke down 7:30 P.M. W.O. same 4½ hrs.
11/14	1087	W.O. Rotary 24 hrs.
11/15	1329	W.O. Rotary 10 hrs. Resumed drlg 8-3/4".hole. Mud wt 9.4 vis 46 WL 10 Fc 2 pH 8.5. Started mudding up.
11/16	1768	Drld 8-3/4" hole. ½ deg @ 1482'.
11/17	2162	Drld 8-3/4" hole. ½ deg @ 1824'. Mud wt 9.9 vis 46 WL 9.8 FC 2.
11/18	2502	Drld 8-3/4" hole. 1¼ deg @ 2190'. Mud wt 9.6 vis 44 WL 6.8 FC 2 pH 8.
11/19	2604	Drld to 2511'. DST #1 2490-2513 (Wasatch) ISI 45 min TO 3 hrs FSI 45 Min. Strong blow decreased to weak. Gas to surf 1¼ hrs. TSTM. Rec'd 970' GCW. ISIP 1100 FP 94-439, FSIP 1037 HP 1194'. Drld ahead.
11/20	2870	Drld 8-3/4" hole. 1 deg @ 2870'. Mud wt 9.5 vis 42 WL 6. FC 2 pH 8.
11/21	3100	Drld 8-3/4" hole. Mud wt 9.5 vis 40 WL 4 FC 2 pH 8. Changed Rotary.
11/22	3472	Drld 8-3/4" hole. 3/4 deg @ 3300'.
11/23	3688	Drld 8-3/4" hole. 1 deg 3590'. Mud wt 9.7 vis 50 WL 5.4
11/24	4000	Drld 8-3/4" hole. Mud wt 9.7 vis 46 WL 4 FC 2 pH 8.5. Started oil emuls'n.
11/25	4247	Drld 8-3/4" hole. 1-3/4 deg @ 4134. Mud wt 9.8 vis 41 WL 4 FC 2 pH 8.5. Circ'd samples on gas kick @ 4099' (2 to 42 units) & @ 4104 (no kick).
11/26	4408	Drld 8-3/4" hole. DST #2 4375-4404 (Paleocene) ISI 30 min TO 1½ hrs. FSI 30 min. Gas to surf 8 min, 49 MCF/D. Rec 90' GCM. ISIP 1451 FP 53-60, FSIP 1763 HP 2210'.
11/27	4425	Core #1 (6-1/8" D) 4404-4425 (Paleocene) Cut 21' Rec'd 20' Siltstone & Shale interbedded w thin streaks of siltstone. No shows. Logged IES 4412 to surf & ML 4412 to 2000. Reamed core hole to 8-3/4".
11/28	4624	Drld 8-3/4" hole. 1¼ deg @ 4545.
11/29	4779	Drld 8-3/4" hole. Mud wt 9.9 vis 42 WL 4.6 FC 2 pH 8.5
11/30	4932	Drld 8-3/4" hole. 1¼ deg @ 4930.

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CHRONOLOGICAL HISTORY (continued)

DATE	DEPTH	REMARKS
12/1/60	5069	Drld 8-3/4" hole. 1 deg @ 5050'. Mud wt 9.9 vis 41 WL 4.2. Cut drlg line.
12/2	5215	Drld 8-3/4" hole. Checked bop.
12/3	5355	Drld 8-3/4" hole. 1 deg @ 5330. Circ'd samples @ 5325.
12/4	5477	Drld 8-3/4" hole. Circ'd samples @ 5386'. Mud wt 10.1 vis 43 WL 4.6 pH 8.5.
12/5	5590	Drld 8-3/4" hole. 1-3/4 deg @ 5590'. Circ'd samples @ 5550 & 5590 on gas kick. No fluor or cut. Mud wt 9.9 vis 44 WL 4 FC 2 pH 8.5.
12/6	5605	DST #3 5485-5590 (Mesaverde) Misrun - packer failed. Drld to 5600 & circ'd samples on gas kick. Drld to 5605, circ'd & condt'nd hole to log. Strapped out - no correction. Ran IES, SL & ML to 5602.
12/7	5605	Finished logging. DST #4 5574-5605 (Mesaverde) Misrun - packer failed. Went in w core barrel.
12/8	5650	Core #2 (7-3/4" D) 5605 - 5650 (Mesaverde) Cut & rec'd 45'. Shale 5605-5615, sand 5615-5620, shale break 5620-5621, sand & siltstone 5621-5650, predominately VFG to FG w some faint blue fluor but little or no cut. Mud wt 9.9 vis 55 WL 4.6 FC 2 pH 8.5. DST #5 5600-5650 (Mesaverde) Misrun - could not get to bottom.
12/9	5650	Tripped out w tester. Cleaned mud tanks & converted to lime base - oil emulsion mud.
12/10	5651	Conditioned mud. Reamed core hole to 8-3/4". Mixed & conditn'd mud.
12/11	5662	Tripped reamer. Cleaned out cavings 5616-5651. Conditioned hole. Drld ahead. Circ'd samples @ 5658' (gas kick 5 to 64 units). Drld to 5662'. Circ'd samples & conditn'd hole.
12/12	5697	Conditn'd hole & drld to 5687'. Went in w 7-3/4" diamond corehead & started cutting core #3.
12/13	5769	Core #3 (7-3/4" D) 5687-5738 (Mesaverde) Cut 51'. Rec'd 48' sand, shale & siltstone; 5688-5696 F.G. SS, Good porosity, some fluor 5693-5696, no cut. Reamed core hole to 8-3/4" & drld ahead.
12/14	5863	Drld 8-3/4" hole & conditn'd hole to core. Mud wt 9.4 vis 62 WL 3.2 FC 2 Sand 3/4%.
12/15	5957	Core #4 (8-11/16" D) 5863-5915 (Mesaverde). Cut & rec 52'. Predominately F.G. sandstone w shale break 5895-5904. Slight fluor 5876-5880 - otherwise no shows. Started cutting Core #5.
12/16	6010	Core #5 (8-11/16"D) 5915-5967 (Mesaverde). Cut 52'. Rec. 45' sand, shale & siltstone. Sand 5915-5925 - no shows. Reamed & washed 30' to bottom w 8-3/4" bit. Drld ahead. Circ'd samples @ 5984 & 6010 (gas kick 7 to 52 units @ 5992'). Went in w core bbl. Mud wt 93 vis 62 WL 3 FC 2.
12/17	6051	Washed 31' to bottom. Core #6 (7-3/4" D) 6010-6047 (Mesaverde) cut 37'. Rec 34', ss 6010-6028 w some fluor 6023-6027, no cut. Shale 6030-6044. Went in w 8-3/4" bit.

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CHRONOLOGICAL HISTORY (continued)

DATE	DEPTH	REMARKS
12/17/60	6051	(contd.) Reamed core hole & drld ahead. 1½° @ 6000'. Mud wt 9.4 vis 68 WL 2 FC 2.
12/18	6107	Drld to 6086 & circ'd samples (gas kick 10 to 40 units). Core #7 (7-3/4" D) 6086 - 6107 (Mesaverde). Cut 21' Rec 19' sand, shale & siltstone - no shows.
12/19	6195	Reamed core hole to 8-3/4" & drld ahead. Mud wt 9.5 vis 62 WL 2.
12/20	6336	Drld 8-3/4" hole. 1½ deg @ 6300'.
12/21	6486	Circ'd samples @ 6427 (gas kick 5 to 40 units) & @ 6443. Mud wt 9.6 vis 65 WL 2.8 FC 2 pH 12.
12/22	6578	Drld 8-3/4" hole. 1½ deg. @ 6540. Mud wt 10 vis 62 WL 2.3.
12/23	6645	Circ'd samples 6609 (gas kick 10 to 42 units). Mud wt 9.8 vis 65 WL 2.
12/24	6690	Drld 8-3/4" hole. Mud wt 10 vis 65 WL 2 FC 2 SC 2 pH 12.
12/25	6734	Drld 8-3/4" hole.
12/26	6767	Drld 8-3/4" hole. Mud wt 10 vis 65 WL 1.5 FC 2 pH 12.5
12/27	6838	Circ'd samples @ 6788 (gas kick 10 to 85 units), 6791 (70 to 85 units) & 6822' (15 to 145 units). All three samples coal.
12/28	6883	Drld 8-3/4" hole. Mud wt 10 vis 60 WL 1.4 FC 2 SC .1
12/29	6907	DP twisted off 740' off bottom. Tripped for overshot. Picked up fish. Drld ahead. Circ'd Samples @ 6907' (gas kick 30 to 150 units).
12/30	6943	DST #6 6890-6907 (Mesaverde). ISI 45 min TO 2½ hrs. FSI 45 min. Gas to surf 1½ min. Rate 33 MCF/D w some distillate. Rec'd 35' distillate cut mud. ISIP 3285(?) FP 46-92 FSIP 2404 HP 3570. Started cutting Core #8.
12/31	6959	Core #8 (8-11/16" D) 6907-6959 (Mesaverde) Cut 52' rec 11'. Core dropped out of bbl. (Logs indicate sands @ 6907-6908, 6919-6924, 6936-6944 & 6949 - 6956). DST #7 6917-6959 (Mesaverde) ISI 45 min TO 1½ hrs FSI 45 min. Initial weak blow - dead at end of test. No recovery. ISIP 0 FP 0 - 0 FSIP 0 HP 3625 (Possible misrun)
1/1/61	7009	Reamed core hole & drld ahead. Mud wt 10.3 vis 75 WL 1.4 pH 11.5.
1/2	7009	W.O. rotary bearings & clutch plates. Replaced same.
1/3	7072	Washed 25' to bottom & drld ahead. Circ'd samples @ 7040' (gas kick 15 to 90 units). Predominately shale - Resumed drlg.
1/4	7112	Drld 8-3/4" hole. Circ'd samples @ 7107' (gas kick 30 to 110 units). Drld 5' & condtn'd hole. Mud wt 10.4 vis 65 WL 1.4 FC 2 pH 11.5.
1/5	7139	DST #8 7090 - 7112 (Mesaverde) ISI 30 min TO 1 hr FSI 30 min. Weak blow. Rec'd 30' drlg mud. ISIP 368 FP 46 FSIP 199 HP 3799. Drld ahead.
1/6	7207	Broke shifting yoke on 1st gear while tripping. Resumed drlg mud wt 10.3 vis 64 WL 2.7 FC 2 SC ½.
1/7	7251	Circ'd samples @ 7217'. 1¼ deg @ 7215'. Core #9 (8-11/16"D) 7217-7251 (Mesaverde - Sego). Cut & rec 34' - Core bbl jammed.

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CHRONOLOGICAL HISTORY (continued)

DATE	DEPTH	REMARKS
1/7/61	7251	(contd.) Predominately sandstone 7227 - 7246, V.F.G. Hard & tight w fluor & cut.
1/8	7307	Reamed 30' to bottom & drld ahead. Circ'd samples @ 7288. Mud wt 9.8 vis 65 WL 1.8 FC 2 pH 11.5.
1/9	7345	Drld 8-3/4" hole.
1/10	7408	Drld 8-3/4" hole. Mud wt 10 vis 65 WL 2 FC 2 pH 11.5
1/11	7465	Drld 8-3/4" hole.
1/12	7516	Drld 8-3/4" hole. Mud wt 10.2 vis 62 WL 2 FC 2 SC $\frac{1}{4}$.
1/13	7566	Drld 8-3/4" hole. $3/4^{o}$ @ 7536.
1/14	7613	Drld 8-3/4" hole. Mud wt 10.4 vis 62 WL 2.1 FC 2 pH 11.5.
1/15	7678	Drld 8-3/4" hole.
1/16	7718	Drld to T.D. 7718' & conditn'd hole to log.
1/17	7725	Strapped out-depth correct'n 7718-7725. Schlum checked T.D. @ 7726 & Ran IES, SL & GRN. Laid down DC's & Core bbl.
1/18	7120	Ran 165 jts 7150' 7" OD 1t & c (2500' 26# N-80, 4650' 23# N-80) DVMS collar @ 4637, shoe @ 7150, float collar @ 7120. Ran 425 scratchers 7060-7150, 6945-6975, 6860-6900, 5835-6045, 5690-5715, 5600-5630, 4420-4490. Ran 16 centralizers @ 7145, 7114, 7034, 6926, 6835, 6770, 6127, 6034, 5940, 5847, 5754, 5660, 5570, 4440, 4410, 4280. Cemented w 1700 sax 50-50 pos + 2% gel 1st stage, 400 sax reg 2nd stage. Good returns throughout. Plug down 11:00 P.M. WOC
1/19	7120	WOC 24 hrs. Ran temp. survey.
1/20	7120	WOC. Rig released 10:00 A.M.

COMPLETION:

DATE	PBD	REMARKS
4/12/61	6366	Drld D.V. collar @ 4637. Found top of Cem @ 6356. Drld to 6366. Pump broke down. Tripped. WO pump & bits.
4/13	6934	On bottom 6 A.M. Drld Cem to 6934.
4/14	7120	Drld Cem to float collar @ 7120. Circ'd hole. Cleaned cem out of mud tank. Pulled out of hole. Ran McCullough Correlation Log from 7114 to 2000. Ran cement location log from 7114 to 4000. Cement looks O.K.
4/15	7120	Finished mixing 1 tank of mud. Ran in with csg.scraper. Displaced water with mud. Finished mixing.invermul & displaced water out of hole. Started out with TBG 9:00P.M.
4/16	7110	Finished pulling TBG. W.O. perforators Perf'd 3 thor jets/ ft. 6942-6956, 6898 - 6908. Ran ring-guage-junk basket to 7110. Ran TBG w pkr& BP.
4/17	7110	W.O. Dowell. Attempted to set bridge plug at 6980. Could

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COMPLETION: (continued)

DATE	PBD	REMARKS
4/17/61	7110	(cont'd) not set either BP or pkr. Tripped tbg. Had backed off tbg 9 jts above pkr. Went in w overshot.
4/18	7110	Recovered fish. Set B.P. @ 6980 and retrievomatic @ 6870. Tested annulus w 2500 psi - head leaked. Tightened & re-tested O.K. Reset pkr @ 6915. Had communication w annulus. Lowered pkr to 6930. Press'd perfs 6942-6956 w 6600 psi. Let stand. After 9 min. Broke to 2000 but had 1000 on csg. Repress'd to 6000 - no brkdn. After checking tbg tallies, repress'd to 6000 - no brkdn. W.O. acid.
4/19	7110	Spotted 250 gal mud acid on perfs. Broke 5000 - 3500. Instant. Press 2000. Fraced with 25,000 gal Petrojel, 10,000# sand, 250# hulls. 10 gal freio ahead - 10 behind, 1250# Adomite. Pump press's 5000 - 4800 - 4900 - 5000 - 4950 - 5100-5050 - 5175. Inj rate 9BPM. Flush in 9:12 A.M. Instant. Press 2425 psi. Would not bleed off. S.I. W.O. choke to test.
4/20	7110	S.I. Opened up at 2: P.M. Started unloading but not strongly. Had to start,stop cocking. No press.
4/21	7110	Unloading once every third flow period (flow 15 min S.I. 2 hrs). Unseated packer to reverse circulate. Tubing unlaoded while changing connections. Connected tbg back to burn pit. Unloaded petrojel for ½ hr then dead for two hrs.
4/22	7110	Rigged up to swab. Found sand brdg in TBG @ 500'. Spudded it out & swabbed well down in 8 hrs. Very little gas - TSTM. Killed well & circ'd hole clean. Picked up B.P. @ 6980. Backed off tbg above pkr & BP while trying to set BP @ 6930. Went to bottom & screwed back into tbg. Pulled up and set BP @ 6930. Spotted 3 bbls acid across perf's 6898 - 6908. Pulled up & set pkr @ 6857. BDP 5200 to 4800. Fraced w 22,000 gal petrojel, 10,000# 20-40 sand (3/4# gal) 800# 12-20 hulls (0.10#/gal), 10 gal freeflo ahead, 50#/1000 gal adomite - no flush. Inj. rate 9 BPM, initial & min pump press 4800 final & max 6000. Shut down before screen out. 12:57 P.M. Instantaneous press 2450. S.I.½ hr-press. 2200-flowed ½ hr to get hulls out. Built up to to 2000 psi when S.I. again. Flowing back load.
4/23	7110	9:00 A.M. recov'd 210 bbls of 530 used in frac. Started stop cocking - 1 hr. S.I. 1500 psi. flow 2 hrs. Total rec. 283 mid.
4/24	7110	Swabbed to burn pit. At first fluid level held at 4500 then swabbed on down TO 6700. Est'd 130 bbls. to pit. Rec'd Unseated pkr. Total 410.
4/25	7110	Prep to frac both sets perfs 6898-6910 & 6942 - 6956. Went in w rest of tbg to lower BP from 6930 to 6980. Could not get hold of B.P. Tripped tbg to check tools. Found wire from swb cups stuck in tools. Started engine to go in hole & blew side of block out of engine.
4/26	7110	W.O. repairs.
4/27	7110	W.O. repairs.

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COMPLETION: (Continued)

DATE	PBD	REMARKS
4/28/61	7110	W.O. Rig repairs.
4/29	7110	W.O. Rig repairs.
4/30	7110	W.O. Rig repairs.
5/1	7110	W.O. Rig repairs.
5/2	7110	Replaced Rig motor. Went in w tbg & model "G" running tool to pick up B.P. @ 6930. Could not retrieve plug.
5/3	7110	Pulled out & ran in w model "H" wash over retrieving head. Still could not get hold of plug. Pushed plug down 20' but could not retrieve. Tripped tbg. Ran 2-7/8 overshot w clusterite mill. Could not retrieve plug.
5/4	7110	Pulled out. Ran impression block - no impression. Ran 2-3/8 short catch overshot. Latched onto plug & started out.
5/5	7110	Finished tripping out. Plug in tact- O.K. No reason or explanation for not being able to retrieve plug with model "G" or "H" running tools. Perf'd w 8 way frac-jet @ 6949 & 6902 tagged bottom 7106. Went in w tbg. Displaced diesel to cover perfs. Set pkr @ 6880. Fraced w 2 allisons 20,000 gal petrojel, 5000# (3/4#/gal) 20-40 sand, 1600# (.15#/gal) 12-20 hulls, 10 gal freflo ahead- 10 behind, .05#/gal adomite. No brkdn. Initial pump press 5100 psi, min 5000 psi, max 5150 psi, final 5050 psi. Inj. Rate 9½ BPM. Flush away 7:13 P.M. Inst. Press 2450. S.I.
5/6	7106	S.I. to 1 P.M. Press 1990 psi. Started flowing back to tanks.
5/7	7106	5: P.M. Total rec'd 310 bbls (456 used in frac). Flowing in heads - small amount of gas.
5/8	7106	12: Noon started swbg 3 P.M. Total rec 360.
5/9	7106	Total Rec 377. Swbg less than 1 BPH. S.I. to build up press. 50 psi in 2 hrs. 175 psi 12 Noon (8 Hrs) opened well-bled down to zero. Went in w swab. FL @ 4000', Resumed swbg. Swbg on down w sl shows of gas. (403 total) (@ mid)
5/10	7106	S.I. 2 hrs 25 psi. Gas bled off to zero. Swbd 35 bbls in 24 hrs. Total rec 412 bbls. Had 400' fluid entry in two hrs. Pulled swab once an hr. 150' fluid. S.I. 4 hrs. Press 75 psi Bled down & ran swab. 800' fill up. Total rec 432 bbls.
5/11	7106	S.I. 8 hrs - built up 180 psi. flowed gas to burn pit bled down to zero in 7 min. 8 hr fill up 1600'. Pulled swab from bottom - made 10 bbls. Fair gas blow followed swab. Died to small blow in 10 min. Total rec 9: A.M. 442 bbls. Drained 17 bbls invermul from tanks. 4: P.M. Total rec 457. Pulled swab every 2 hrs - 150' fill up - Gas increasing between runs. S.I.
5/12	7106	S.I. 14 Hrs. Press 275 psi. Bled down in 10 min to weak blow. 3000' fill up. Swab'd 15 bbls to tanks. Total rec 472 bbls. Zone stopped making gas or fluid 12 noon. S.I. 4 hrs @ 4: P.M. Press 90 psi FU 900' resumed swbg. Fluid

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COMPLETION: (Continued)

DATE	PBD	REMARKS
5/12/61	7106	(cont'd) and gas entry as before. Pulled swab every two hrs. 150' fill up. Total rec 486.
5/13	7106	Fill up. decreased to 100'/2 hrs. Gas decr. between runs. S.I. for 4 hr build up. Total rec 489. Filled hole & circulated invermul. Displaced invermul w diesel tripped tbg out.
5/14	5720	Set Guiberson drillable B.P. @ 5720. Perf'd 3 thor jets/ft 5680-5694 & 5640-5650. Ran ring guage to 5720. Went in w Retrievomatic pkr. Set @ 5200. Press'd w 6000 psi to test B.P. @ 5720. Held O.K. Had trouble pulling pkr thru perf's. Had to press up on annulus to push hold - down buttons back in place. Reset pkr @ 5624 to press up on annulus & BOP. W.O. daylite to press up.
5/15	5720	Press'd on annulus w 3300 psi, flange in tree leaked - Tightened same. Press'd to 4200 psi - still leaked. Pulled off BOP & checked ring gasket. O.K. Titened up flange & repress'd to 4400 - still leaked. Tightened flange - press'd to 5300 - leaked. Hung pkr @ 5676 to acidized perf's @ 5640-50 & 5680-94. Displaced 6 bbls mud acid across perf's. Set pkr. Press'd on tbg. Bottom Perf's (5680-5694) broke from 3600 to 2400. Pumped 6 bbs dies. @ 2650 psi. Stndg press. 2350 psi. Pumped down annulus. Broke top perfs (5640-5650) 2900 -2100. Pumped 6 bbls dies. @ 2200 psi Inst. press 2100. Tripped tbg. Went in open -- ended w bottom of tbg @ 5680. Braden head fraced w 38,000 gal petrojel 23,500# 20-40 sand (1.3#/gal) 2050# 12-20 hulls (.15#/gal) 10 gal freflo ahead - 10 gal behind, 0.05#/gal adomite, dropped 50# moth balls half way thru frac. Flushed w 210 bbls dies. Initial pump press 3500 psi, max 3550 (when moth balls hit perf's) final 3550. Avrg inj. rate 28 BPM. Flush away 6:23 P.M. Inst press. 2500 psi. (Total fluid used 1118 bbls).
5/16	5720	S.I. 16 hrs. Press 1325. Opened to tanks on 1" choke @ 10:15 A.M. Flowed @ 25 psi. 2:30 P.M. flowing TP 25-50 psi Tank #4. Flowing 14 BPH. Total rec 186 bbls. Flowing 12 BPH.
5/17	5720	8:00 A.M. Total rec 200 bbls flowing approx 1 BPH. Csg - press 250 psi. Rigged up to swab w tbg @ 5650. Swbd & flowed. Trying to unload but bridging off in tbg w hulls. Total rec. 302 bbls.
5/18	5720	8: A.M. Total rec 342 bbls + approx 20 to burn pit. Still bridging off in tbg. CP 800 psi. Circ'd down tbg up csg to remove bridges. Well flowed from csg when circ'n came around. S.I csg - pulled 2 swabs on tbg. Started unloading with strength. Total rec 388.
5/19	5720	Resumed swbg. 8:A.M. Total rec 494 to tanks & approx 50 bbls to pit. Following swab pull @ 8: A.M. well flowed

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COMPLETION: (Continued)

DATE	PBD	REMARKS
5/19/61	5720	(cont'd.) 1 hr. TP 25 CP 325. S.I. to build up press. Well gassed strongly for 15 min. after each pull. Swbg from 5500' - no bridges. Well flowing stronger after each pull. Unloaded @ 6 MMCF - died down & then flowed 1 MMCF for ½ hr. CP 350 to 250. Pulled swab 3 times. Rec'd no fluid - very weak blow. Flowed & swab'd intermittently to clean up.
5/20	5720	Flowed 1 hr. S.I. 2 hrs. Rec'd approx 5 bbls water, Diesel & petrojel - mostly water. Strong flow of gas following pull approx. 500 MCF. Died to weak after 45 min to 1 hr. CP 350 to 300 psi. Used Halliburton to circulate & condition mud. (Displaced mud down Tbg up csg. Circulated 3 hrs)
5/21	5720	Tripped out for bit. Cleaned out to 5720. Found little or no sand. Circ'd & condition'd hole. Tripped out for pkr & B.P. Set B.P. @ 5715 (below perfs) & pkr @ 5618 (above perfs).
5/22	5720	Swab'd down 5 A.M. Pulled swab once every 2 hrs. Rec water & invermul- flowed ½ - 3/4 MMCF following fluid. Changed stop cocking to once an hour. Max build up 500 psi. Fluid decrease to nil. Strong flow of gas after each S.I. period - decreased to weak in ½ hr or less.
5/23	4450	Max build up 700 psi in 2 hrs. Filled hole w invermul & circ'd. Dropped down to pick up B.P. Had 5' fill up. Could not wash over fishing neck. Circulating to clean up sand or hulls on top of B.P. Still could not pick up B.P. Tripped & ran McC overshot. Came out w B.P. One piece of metal (copper carot) in top of plug but no reason for running tool not being able to retrieve plug. Set Guiberson Mg top drill out B.P. @ 4450. Perf'd 4 Perfo-Jets 4403-4404 for cem squeeze.
5/24	4450	Ran in 68 stnds - set pkr @ 4295 & swab tbg dry. W.O. Halliburton 7 hrs. Checked T.D. @ 4450. Pulled up 25' & circ'd mud out of tbg w water. Set pk @ 4360 & squeezed w 100 sax reg locked up @ 5000 psi after 12 stages. Reversed out water - no cement. WOC. Cem in place 2:57 P.M.
5/25	4450	WOC
5/26	4450	WOC 34 hrs.Drld cem from 4370 to 4410. Cleaned out to 4450. Tripped out to run McC. WO McC 8.hrs. Ran cement log. showed good cement except 4395-4417-questionable. Perf'd w perfo-frac - 6 charges (1" holes).4394 & 4387. Checked PBD @ 4446.
5/27	4450	Ran in w Model "R" pkr & tagged bottom @ 4446. Pulled up & set pkr @ 4430. Press'd on bridge plug to 6000 psi. Held O.K. Dropped tbg down to 4440. Displaced invermul w salt water & spotted acid across perf's. Pulled up & set pkr @ 4370. Broke down perf's 3400 to 2650. Pumped 7 BPM @ 3400. Inst. press 2000 psi. Tripped out to csg frac.

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COMPLETION: (Continued)

DATE	PBD	REMARKS
5/27/61	4450	(cont'd.) Fraced w 39,700 gal salt water. 15,000# 20-40 sand. (1#/gal). 2500# 12-20 hulls (.15#/gal) 675sx $CaCl_2$, 1360# J101, 250 gal mud acid w M-38. Break down. press 3900 to 3600, min press 2600, final 3050, avrg inj. rate 33 BPM. Flushed w 175 bbls, flush away @ 5:25 P.M. Inst. Press 2200 psi. S.I.
5/28	4450	S.I. 8 hrs press 1600. Opened well flowed back frac water-press bled to pero. S.I. to build up 500 psi - Flowed frac water - 1" stream - 4: P.M. Rec 240 bbls frac water. No gas - 8: P.M. Left open during the night.
5/29	4450	Flowed very small stream water. Ran in w Model "R" - set pkr @ 4295 w stinger to 4326. Took 5 hrs to clean hulls out of tbg, so swab would go. Swabd tbg down- very weak flow of gas. S.I. 3 hrs tbg press 400. Unloaded some water - swbd tbg dry.
5/30	4450	S.I. 3 hrs - Press 300. Unloaded approx 3 bbls water. Swb'd down. Flowed 200-500 MCF during swbg. Changed to 2 hr S.I. Press approx 250 psi. Unloaded most of the water in ½ hr. Swbd remainder, swbd & flowed 1 hr.
5/31	4450	Build up press in 2 hrs 220-275. Stopped pulling swab after each flow (most of the water unloaded during flow period-1/2 hr) Build ups - 400,400. Started 3 hr SI's build ups 450, 475 - unloaded water & flowed gas.
6/1	4450	Flow ½ hr S.I. 3 hrs BU's 475, 600 flowed water & gas. Changed to 2 hr S.I. - ½ hr flow. S.I. press 325. Pulled swab after each 3rd flow period. Unloaded water w each flow period but no big blow following water. Swb'd approx 1500' water every 3rd flow period.
6/2	4450	S.I. press's increased to 375. Stopped recovering water on swab indicating well completely unloading during flow period. S.I. 8 hrs press 625. Flowed gas approx 1-2 MMCF & unloaded frac water in two loads - flowed 3/4 hrs. Ran swab - rec'd approx 300' water. Returned to 2 hr S.I.'s.
6/3	4450	Successive BU Press's 300-325 - 325-350-380. Flowed 1-2 MMCF 20 min - unloading frac water. Pulled swab after every 3rd flow - less than 100' water. Successive BU's 350 - 325-300. Unseated pkr & tripped for bit.
6/4	7110	Displaced salt water out of hole, conditioned mud & started drlg on B.P. @ 4450. Drld B.P.'s @ 4450 & 5720. CO to 7110 & circ'd hole clean. Strapped out. Ran in w csg scraper.
6/5	7110	Scraped csg to 7110. Pulled out. W.O. wash tool. Ran retrievomatic pkr & retrievable B.P. set B.P. @ 6965. Hung tbg @ 6960 & displcd mud lax across perf's 6942-6956. Pulled up & set pkr @ 6922. Pumped 500 gal 2% mud lax out perfs. Initial pump press 2800, min 2600 final 3050.

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COMPLETION: (Continued)

DATE	PBD	REMARKS
6/5/61	7110	(cont'd.) Inst press 2800. Let stand 40 min (1950 psi) Bled off to zero. Swbd diesel out of tbg. Then rec'd mud diesel & water - no apreciable increase in gas.. Weak blow following swab.
6/6	7110	Pulled up & set BP @ 6922. Hung pkr @ 6910. Displaced 500 gal 2% mud lax. Pulled up & set pkr @ 6880. Press'd to 3500. Bled slowly to 2100. Press'd to 5000 - no bleed off. Same @ 6000 psi. Found B.P. still on running tool- had not released. Reset BP @ 6922 & pkr @ 6880. Displaced mud lax to bottom of tbg. Pumped 500 gals 2% mud lax out perfs 6898-6908. Initial 4000 min & final 3825 psi. over-flushed w 10 bbls diesel. Inst press 3200-20 min S.I. 1975. Bled off to zero. Swb'd diesel out of tbg. Turned to burn pit. Swb'd diesel, mud & some water. Swb'd until mud no longer coming. Gas blew 1-2 MMCF following swab, then died to weak blow.
6/7	7110	Unseated pkr, picked up BP. Set BP @ 5710 & pkr @ 5670. Swb'd tbg down. Pumped 500 gal 2% mud lax out perfs 5680-5694. Initial pump press 2900, max 3100, final 3050. Overflushed w 15 bbls diesel. Flush away 5:50 A.M. Inst press 2600 psi. Let stand 1 hr. Bled off press to zero. Unseated pkr to kill zone. Started to unload - Reset pkr & let tbg unload. Filled annulus w invernul. Unseated pkr - tbg unloaded again. Filled tbg w invermul - well dead. Picked up B.P. & set @ 5675. Set pkr @ 5615. Swbd tbg down. Pumped 500 gal 2% M.L. out perfs 5640-5650. Initial press 2200 psi. Max & final 2400 psi. Inst. press 2000 - 20 min. S.I. 800. Unseated pkr - waited for well to finish unloading. Moved B.P. down & set @ 5710. Set pkr @ 5615 - Swb'd both zones.
6/8	7110	Swb'd tbg down. Started stop cocking. 1 Hr S.I. - ½ hr flow. S.I. press's increased from 600 to 1000 psi. Well unloaded water & flowed gas. Unseated pkr, dropped down & picked up B.P. Ran tbg to 7100 & displaced invermul w diesel. Tripped out.
6/9	7110	Ran 220 jts 2-7/8" 6.50# J-55 EUE tbg to 6961 KB tbg Detail (from bot. up)

Description	Feet	Depth (KB)
2-7/8" perf'd pup(Bull Plug'd)	3.00	6961.14
2-7/8" 6.50# J-55 EUE-78 Jts	2465.34	
Baker Model "R" pkr	5.90	4486.90
2-7/8" Tbg pup	2.00	
Otis sliding sleeve assmbly	1.50	4483.40
2-7/8" 6.50# J-55 EUE -142 Jts	4472.40	
KB to csg head flange	11.00	

COMPLETION: (Continued)

DATE	PBD	REMARKS
6/9/61	7110	(cont'd) landed donut (w/o rubber packing) w 15,000# on pkr. Broachd tbg to TD. Had trouble broaching through walnut hulls. Started swabbing tbg. Stuck swab @ 900'- Could not work loose. WCO 7 P.M. to mid.
6/10	7110	W.O.O. until 7:A.M. Filled annulus to reverse circulate. Csg press rose to 200 psi - swab came free. Pulled swab twice & well started unloading. S.I. 1½ hrs. CP O TP 375. Unloaded diesel for ½ hr. Started 1 hr. Stop cocking.
6/11	7110	Bled off w/o unloading after 1 hr. S.I. S.I. 2 hrs. Still would not unload. Pulled swab from 2000. Unloaded w 900 psi TP. Resumed stop cocking on 1 hr S.I.'s. CP 600 psi. Rig released 8:00 A.M. S.I. 8-11:A.M. TP 500 CP 800 - Bled off gas - would not unload. S.I. 12-6:P.M. TP 600 CP 850 - would not unload. S.I. 7:P.M.- 7:A.M.
6/12/61	7110	TP 1100 CP 1000. Flowed 45 Min - 1-4 MMCF - unloaded water 15 min 150-500 psi. flowed gas & diesel ½ hr S.I. 9:A.M.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

Confidential

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for August, 19 61

Agent's address P. O. Box 473 Company H. M. Bylleaby and Company

Vernal, Utah Signed

Phone 1060 Agent's title Representative

State Lease No. Federal Lease No. Indian Lease No. Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
								Confidential
NW-NW-26	12S	20E	1					See Enclosures
C-NW-SW-5	13S	20E	2					See Enclosures

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

State of Utah Copy

Confidential

H.M.BYLLESBY & COMPANY
WELL No. 1
Uintah County,
Utah

REPORT OF FLOWING, SWABBING & REWORKING
Month of August, 1961

Date 8-1-61

6:30	90#			
6:35	0#	Well did not unload.		
7:30	550#	Ran swab 3 times unloaded, shut in.		
7:35	550#	Start test.	1/2"	1 mm
7:50	525#		"	"
8:05	375#		"	"
8:20	225#		"	"
8:25	190#		"	"

Shut in at 8:25 with 190# on well head.

Date 8-2-61

8:10	90#	Blew down.
8:15	0#	Pulled swab 5 times unloading.
9:30		
9:35	350#	Put on 8/64 choke
3:05	150#	
3:10	0#	Blew down.
3:20	225#	Shut in after unloading.

Date 8-3-61

1:30 AM	400#	
1:36	0#	Well would not unload. Left open. Small gas flare.
6:30 AM	0#	Pulled swab 4 times.
7:30		Well unloaded.
7:35	550#	Shut in press.
7:45	0#	Blew well down swabbed dry.

H. M. BYLLESBY WELL # 1 Date 8-4-61

Time ___M	TBG Press	
8:06	200#	
8:10	0#	
		Ran swab 3 times
9:04	250#	Unloading.
9:12	535#	Shut in.
2:25	625#	
2:32	0#	Opened up.
2:34	400#	Unloading.
2:40	600#	Shut in.

H.M.BYLLESBY & COMPANY
Well No.1
August, 1961, Contd.

Time ____M	TBG Press	
		8-9-61
6:45 A.M	425#	
6:50	0#	Running swab.
7:25		Start unloading.
7:30	300#	Max. unloading pressure.
7:40	450#	Shut in.
10:25	525#	
10:30	0#	
10:33	300#	Max. unloading pressure.
10:45	400#	Shut in.
12:45	425#	Shut in 2 hours.
12:50	0#	
1:00	100#	Max. unloading pressure.
5:30		Swabbing well. Shut in.

Date 8-10-61

6:30 AM	425#	Blew down.
6:35	0#	
7:15	430#	Swabbed down.
7:30	200#	Blew water 15 minutes.
7:31	200#	Set on 16 choke
9:00	0#	Started swabbing
11:00		Closed in well
1:00 PM	75#	Blew off pressure and swabbed
2:30	100#	Blew out mist for 20 minutes.
2:50	0#	Closed in well.

Date 8-11-61

7:30	360#	Shut in 12 hours.
7:38	0#	Started swabbing.
8:10	400#	Well blew in at 400#.
8:15	450#	Blew off water and shut in.
11:30	640#	Shut in 3 hours.
11:36	0#	
11:38	400#	Max. unloading pressure.
11:39	500#	Shut in.
3:00	635#	Shut in 3 hours.
3:07	0#	
3:11	500#	Max. unloading pressure.
3:12	525#	Shut in.
6:00	625#	Shut in 3 hours.
6:07	0#	
6:09	450#	Max. unloading pressure.
6:11	475#	Shut in.
9:00	560#	Shut in 3 hours.
9:08	0#	
9:12	450#	Max. unloading pressure.
9:14	475#	Shut in.

H.M.BYLLESBY & COMPANY
Well No.1
August, 1961, Contd.

Time ____M	TBG Press	
		Date 8-7-61
8:15 AM	650#	Shut in pressure 14 hours.
8:20	0#	
8:40	0#	Would not unload.
10:30		Pulled swab from 4500'.
10;35	400#	Max. unloading pressure.
10:40	500#	Shut in.
3:00PM	650#	Hooked up intermitter.
3:03	100#	
3:07	500#	Max. unloading.
3:10	650#	Shut in.
7:12	700#	Intermitter opened
7:17	0#	
7:19		Start unloading.
7:22	500#	Max. unloading pressure.
7:24	550#	Shut in.
11:02	600#	Intermitter opened.
11:10	0#	Start unloading.
11:12	450#	Max. unloading pressure.
11:15	500#	Shut in.
		Date 8-8-61
3:00 AM	600#	Intermitter opened.
3:10	0#	Start unloading.
3:13	300#	Max. unloading pressure.
3:18	425#	Shut in pressure.
7:00	500#	Opened up took intermitter off.
7:20	0#	Would not unload.
8:00		Pulled swab water at 3300'.
8:05	425#	Max. unloading pressure.
8:30	0#	Unloaded and blew down.
9:00	0#	Pulled swab no fluid, shut in.
11:00	100#	
11:02	0#	Blew down. Ran swab 800' fluid.
11:35		Pulled swab 800' fluid.
11:45		Shut in.
1:00 PM		Pulled swab 3 times 1500' fluid.
1:30	400#	Well blew in and unloaded. Shut in.
5:30	400#	
5:34	0#	Blew down.
5:50	0#	Would not unload.
6:00	300#	Ran swab. Blew in.
6:05	400#	Shut in.
10:00	400#	Would not unload.

H.M.BYLLESBY & COMPANY
Well No.1
August, 1961, Contd.

H. M. BYLLESBY WELL #1 Date 8-5-61

Time ___M	TBG Press	
8:33 A.M.	650#	Shut in 12 hours.
8:40	0#	
8:50		Start in hole with swab started unloading.
8:55	400#	Unloading.
9:03	650#	Shut in.
3:00 P.M.	600#	Shut in 6 hours.
3:04	0#	
3:08		Started to unload.
3:13	400#	Max. unloading pressure
3:18	575#	Shut in.
9:05 P.M.	650#	Shut in 6 hours.
9:11	0#	
9:15		Started to unload.
9:18	400#	Max. unloading pressure
9:21	575#	Shut in.
4:30 A.M.	650#	7 hours shut in.
4:35	0#	
4:45		Started to unload
4:49	400#	Max. unloading pressure
5:03	550#	Shut in.

Date 8-6-61

10:00 AM	600#	Shut in 5 1/2 hours.
10:04	0#	
10:08		Started to unload.
10:12	400#	Max. unloading pressure.
10:15	550#	Shut in.
5:08 PM	650#	Shut in 5 hours.
5:15	0#	
5:18	400#	Unloading.
5:28	500#	Shut in pressure.

COMPLETION REPORT
1 BYLLESBY WELL
8-21-61

Finished pulling out of hole. Packer had junk on top of it, probably slip dies, and was torn up. Control bar head had come off bridge plug and was still in the setting tool. Ran in hole with McCullough 3 5/8" overshot and found bridge plug at 6970 and set at that depth. Took hold top of bridge plug and pulled out of hole. Did not recover bridge plug. Lost it while coming out of hole. Ran back in hole with same overshot; dressed the same. Found bridge plug up the hole at 6790. Took hold of bridge plug and pulled out of hole. Lost bridge plug again coming out of hole. Re-dressed overshot with 1" slips dressed for the ride. Ran in hole. Bridge plug had fallen back to bottom at 7070. Took hold of bridge plug again and pulled through perf. Pulled up ten thousand coming thur perf. Good indications that we got hold of bridge plug. Present operation, pulling out of hole.

August 22, 1961

Finished pulling out of the hole. Sub above overshot had backed off leaving overshot and bridge plug in hole. Ran back in hole. Found fish 30 stands off bottom. Screwed back into fish and pulled out of hole, recovering bridge plug. Picked up Baker Model C bridge plug with Baker Model R packer. Ran in hole. Set bridge plug at 6920, packer at 6877. Swabbed load fluid into tank. Swab tested zone 6898 6908 for 12 hours. Recovered fluid, 9 bbls. 5 bbls distillate, 4 bbls water. Good gas flows while swabbing load fluid back. Diminished to small flare ahead of the swab after the zone had been swabbed down.

8-23-61

Moved bridge plug and packer from zone at 6908 to zone 5680. Set bridge plug at 5728, packer at 5662. Swabbing tubing, displacing into tank. Swabbed and tested zone for 12 hours. Total fluid recovery 13 bbls. 4 barrels of diesel and oil. 9 barrels of water. Had small gas flare through the test. Moved packer and bridge plug zone 5640-50. Set bridge plug at 5665, packer at 5598. Pulled swab once and tubing unloaded. Had hard blow of gas for 15 minutes. Then blew down to a smaller flare approx. 25 thousand MCF.

8-25-61

Continued swabbing zone #4 until 4:30 P.M. Moved bridge plug and packer to zone #5. Bridge plug at 4435 and packer at 4355. Pulled swab once, well unloaded. Continued to run swab once each hour.

8-26-61

Stop cocking and blowing well each three hours throughout the day.

8-27-61

Unseated packer and picked up bridge plug. Pulled out of the hole. Ran in hole with packer and production string. Top perf nipple at 5651. Packer set at 5723. Disk in the tubing at 5785. Landed tubing at 7051, with bottom perf nipple at 7045. Swab well in at 11:00 P.M. Shut well in for pressure build up.

Date 8-15-61

7:30 AM	525#	Swabbed in after 15 hours. Shut in.
12:00	610#	4 1/2 hours. Shut in.
12:05	0#	
12:07	400#	Max. unloading pressure.
12:08	510#	Shut in.
4:30 PM	575#	Shut in 4 1/2 hours.
4:36	0#	
4:39	350#	Max. unloading pressure.
4:41	475#	Shut in.
9:00 PM	510#	Shut in 4 1/2 hours.
9:07	0#	
9:10	350#	Max. unloading pressure.
9:12	450#	Shut in.
1:30	540#	Shut in 4 1/2 hours.
1:38	0#	
1:44	350#	Max. unloading pressure.
1:47	450#	Shut in.

H. M. BYLLESBY WELL # 1

Time	TBG
___M	Press

8-16-61

Well was shut in and shut in waiting on rig from 8/16-8/19.

COMPLETION REPORT
1 BYLLESBY WELL
8-19-61

Moved Barker well service rig from #3 and rigged up on #1. Loaded hole with #2 diesel fuel. Installed blow out preventor. Pulled out of hole. Picked up retrieve-o-matic bridge plug (Baker). Ran in hole with bridge plug and Model R packer. Set bridge plug at 6970 and packer at 6915. Rigged up to swab.

8-20-61

Swabbing tubing displacement into tank. Swab tested perf 6942-56 for 12 hours. Very little gas small blows after pulling swab. Decreases in 5 minutes to practically nothing. Total recovery of fluid 11 1/2 barrels. 4 barrels water, 7 1/2 barrels oil and diesel. Started to move bridge plug and packer to next zone. Unseated packer and could not go down with it. Slips were hanging up. Worked packer for 30 minutes trying to get it to unseat and go down. Would not go down, so pulled out of hole. Present operation - pulling out of hole.

H. M. Byllesby Well #1

Time ____M	TBG Press	
		Date 8-12-61
6:00 AM	525#	Shut in 9 hours.
6:15	0#	Started swabbing. 1 run well blew in.
6:19	500#	Max. unloading pressure.
6:21	525#	Shut in.
10:30	575#	Shut in 3 1/2 hours.
10:38	0#	
10:44	0#	Water started to unload.
10:48	400#	Max. unloading pressure.
10:50	500#	Shut in.
2:00 PM	525#	Shut in 3 hours.
2:07	0#	
2:11	400#	Max. unloading pressure.
2:14	475#	Shut in.
6:00	500#	Shut in 4 hours.
6:08	0#	Well would not unload.
6:30	0#	Closed in to rebuild pressure.
		Date 8-13-61
6:15 AM	425#	Shut in 12 1/2 hours.
6:18	0#	
6:45		Ran swab twice. Blew in.
6:50	350#	Max. unloading pressure.
6:52	550#	Shut in pressure.
12:50 PM	625#	Shut in 6 hours.
12:55	0#	
12:58	100#	Water up. Unloading.
1:00	375#	Max. shut in pressure.
1:03	525#	Shut in pressure.
6:26	600#	Shut in 5 1/2 hours.
6:31	0#	
6:34		Water up. Unloading.
6:37	400#	Max. unloading pressure.
6:39	525#	Shut in.
		Date 8-14-61
12:25 AM	600#	Shut in 6 hours.
12.30	0#	
12:35		Water up. Unloading.
12:40	500#	Shut in.
6:38	550#	Shut in 6 hours.
6:43	0#	
7:00	0#	Water up. Unloading.
9:00	0#	Open & blowing down.
10:00	0#	Running swab no fluid.
		Shut in.
2:32PM	150#	Running swab.
4:00		Swab down.
		Shut in.
7:30 AM	350#	Shut in 15 1/2 hours. Bled off.
8:00		Swab down.
8:30	500#	Shut in.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

September, 19 61

Agent's address P. O. Box 473
Vernal, Utah

Company H. M. Byllesby and Company

Signed Robert E. Lamoreaux

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					See Enclosures #1, #2, #3
C-NW-SW-5	13S	20E	2					
C-SW/4-23	13S	20E	3					

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

9-14-61

Tubing pressure: 650# Casing pressure 500# Time: 9:35. At 9:41, casing pressure was 450# Rocked casing pressure into tubing. Unloaded approximately 1bbl of oil. Kept open 45 minutes, would not unload.

9-15-61

Tubing pressure: 300#. Casing pressure: 600#. Kept open 45 minutes. Would not unload.

9-16-61 Through 9-24-61 Road flooded out

9-25-61

Casing 1,000#. Tubing pressure: 300# Blew casing pressure to 0# in 10 minutes. Kept pressure on tubing, blew for 30 minutes. Would not unload.

9-26-61

Casing pressure: 700#. Tubing pressure: 400#. Blew casing down in 5 minutes. Kept open 30 minutes, would not unload. Shut in.

9-27-61

Kept Shut in.

9-28-61

Shut in for pressure build up.

9-29-61

Shut in

9-30-61

Shut in.

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WELL NO. 1 - SWABBING OR FLOWING REPORT

9-1-61

Three day shut-in for pressure build up.

9-5-61

Tubing Pressure: 400# Casing Pressure: 900#. Three day shut in. Well blew down in 10 minutes Would not unload.

9-6-51

Tubing pressure: 100#. Casing pressure: 400# Rigged up to swab fluid level in tubing at 2,000 feet. Swabbed fluid at 8:00 a.m. to 6:00 p.m Well blew in, but not hard. Shut in 7:00 p.m.

9-7-61

Casing pressure: 700# Tubing pressure: 400# Rocked casing pressure into tubing. Tubing would not unload. Blew down casing. Unloaded approximately ' 1/2 bbls oil. Kept open 1-1/2 hours. Would not unload water. Shut in.

9-8-61

Tubing pressure 300#. Casing pressure 700#. Blew 1 hr. Would not unload.

9-9-61

Tubing pressure: 275# Casing pressure 600#. Blew 1 hour. Would not unload.

9-10-61

Well Shut in. Road Flooded out.

9-11-61

Well Shut in. Road Flooded out.

9-12-61

Tubing pressure: 300#. Casing pressure 750# Rocked casing pressure into tubing. Tubing pressure: 650#. Blew 1 hour. Would not unload. Swabbed well 8 hours. Fluid level at 2200 feet. Unloaded well and shut in.

9-13-61

Tubing pressure: 275#. Casing pressure: 750#. Rocked casing pressure into tubing. Blew casing down. Blew for 45 minutes. Would not unload.

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Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

October, 19 61

Agent's address P. O. Box 473

Vernal, Utah

Company H. M. BYLLESBY & COMPANY

Signed Robert E. Covington

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					
C-NW-SW-5	13S	20E	2					See Enclosures #1, #2, #3
C-SW/4-23	13S	20E	3					

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for November, 19 61

Agent's address P. O. Box 473 Company H. M. BYLLESBY & COMPANY

Vernal, Utah Signed

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					See Enclosures #1, #2, #3
C-NW-SW-5	13S	20E	2					
C-SW/4-23	13S	20E	3					Note: The enclosures listed above consisted of the Swabbing and Flowing report for [illegible], November, 1961.

Confidential

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NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

SWABBING AND FLOWING
REPORT

H. M. BYLLESBY WELL #1

11-30-61

Shut in for pressure build-up.

12-1-61

Casing pressure: 500#. Tubing pressure: 100#. Blew to 0# in 15 minutes.

Confidential

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SWABBING & FLOWING REPORT

H. M. BYLLESBY WELL #1

11-27-61
Shut in.

11-28-61
Casing pressure 600#. Tubing pressure 140#. Blew down in 18 minutes.

11-29-61
Shut in for pressure build-up.

Confidential

FLOWING AND SWABBING REPORT

H. M. BYLLESBY WELL #1

November 15, 1961 through November 24, 1961.

Well shut in for pressure build-up. Tubing pressure 100#. Casing pressure 500#.

November 25, 1961

Well shut in for pressure build-up.

November 26, 1961

Tubing pressure 100#. Casing pressure 650#. Blew down in 15 minutes.

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November 11, 1961

Casing pressure: 1050#. Tubing pressure: 175#.

November 12, 1961

Well shut in.

November 13, 1961

Well shut in.

November 14, 1961

Well shut in for build up pressure.

SWABBING & FLOWING
REPORT

H. M. BYLLESBY WELL #1

November 3, 1961

4:31 P.M. Tubing pressure: 975#
4:33 " " " 0#
4:43 " Tubing pressure: 0#. Casing pressure: 1250#.
4:53 " Casing pressure: 0#.
5:03 " Casing pressure: 0#. Well shut in

November 4, 1961

Tubing pressure 100#. Casing pressure 700#

November 5, 1961

Tubing pressure 175#. Casing pressure: 825#.

November 6, 1961

Tubing pressure: 225# Casing pressure: 875#

November 7, 1961

Tubing pressure 225#. Casing pressure: 875#.

November 8, 1961

Tubing pressure: 225#. Casing pressure 875#.

November 9, 1961

Well shut in. Will not unload. Tubing pressure: 150#. Casing pressure: 940#.

November 10, 1961

Tubing pressure: 125#. Casing pressure 600#.

10-24-61
Casing 1150 # Tubing pressure: 550. Swab hit fluid at 2500 . Swab down to 3,000 in 5 hours. Started unloading, unloaded for 30 , minutes. Shut in casing pressure 500#. Tubing pressure 500#. Blew #1 down at 5:00 p.m. in 3 minutes. Left open 10 minutes. Well was dr

10-25-61
Shut in and dead. Casing pressure: 1200#. Tubing Pressure: 100# at 4:23

10-26-61 to 10-31-61
Shut in

SWABBING AND FLOWING

H. M. BYLLESBY WELL #1

10-20-61

Swabbed upper zone to catch sample for Dowell. First pull had 500' of oil and 300' of salt water. Fluid level 1800' from surface. Made four runs. Remainder of fluid was water. Could not lower fluid level.

10-21-61

Fluid level 1800'. Lowered fluid level from upper zone to 3100' in 4-1/2 hours. Fluid predominately salt water with slight mud contamination on top of each pull. Casing pressure rose from 200 p.s.i. to 310 p.s.i. during swabbing. Gas increased slightly, but well made no attempt to unload. Broke tubing disc to get sample from lower zone at 11:30 a.m. Pulled 1 swab from 5500' - all water. Broke clutch handle. Shut down.

10-22-61

Fluid level 2,000' Tubing pressure 100#. Casing pressure 950#. Swabbed both zones. Small amount of oil on top of first pull. Remainder was water. Second pull, all water Oil increased with swabbing after 4th pull. Also found small amount of thick brown fluid (different from sample caught from upper zone, so apparently coming from lower zone) on top of each pull after 4th run. Caught successive samples and sent them to Dowell for analysis. Swabbed from 11:00 a.m. to 5:00 p.m. Gas increased with successive runs. Oil increased toward end of swabbing. Swab rate 48 bbls fluid per hour. Estimate 10% oil cut. Entire column of fluid pulled on each swab run cut with oil (in contrast to having layer of oil on top of each run. Consequently, oil believed conclusively to be coming from bottom zone.) Could not lower fluid level below 3,000' During 6 hours of swabbing casing pressure dropped from 950 to 700 p.s.i.

10-23-61

8:30 a.m. Tubing pressure 400# and casing pressure 1100#. Opened tubing, bled off to zero in 5 minutes. Started flowing oil in heads. Flowed well 1 hour. Tubing pressure never rose above 30 p.s.i. Flowed mist of oil and gas. Shut in after 1 hour when tubing pressure dropped to 5 p.s.i. Still flowing very small amount of gas. Casing pressure was 1025#. Waiting on swabbing unit.

H.M.BYLLESBY WELL No. 1

SWABBING & FLOWING
REPORT
October 1961

10-12-61
Shut in.

10-13-61
Shut in

10-14-61
Shut in

10-15-61
Shut in

10-16-61
Shut in

10-17-61
Shut in

10-18-61
Shut in

10-19-61
Shut in. Moved swabbing unit from #3 to #1 rig up to swab,

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H M BYLLESBY AND CO WELL #1 OCTOBER 1961

SWABBING OR FLOW
RECORD

10-2-61
Tubing pressure: 200# Casing pressure: 825# Rocked casing pressure into tubing Pressure 775# Blew down to 0# in 6 minutes Kept open 30 minutes, would not unload

10-3-61
Shut in

10-4-61
Shut in

10-5-61
Casing 850#. Tubing pressure: 400#. Blew well 45 minutes. Would not unload.

10-6-61
Shut in

10-7-61
Shut in.

10-8-61
Shut in

10-9-61
Shut in

10-10-61
Casing Pressure: 800#. Tubing Pressure: 400#. Blew casing down to 0# in 30 minutes through 1" choke. Kept open 1 hour, would not unload.

10-11-61
Shut in.

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Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for December, 19 61.

Agent's address P. O. Box 473
Vernal, Utah

Company H. M. BYLLESBY AND COMPANY

Signed Robert E. Covington
Robert E. Covington

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					See attached remarks. Prep. to swab
C-NW-SW-5	13S	20E	2					Testing by stop cocking
C-SW/4-23	13S	20E	3					On pump. See attached reports

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NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

SWABBING AND FLOWING REPORT

H. M. BYLLESBY WELL #1

12-24-61 through 12-25-61
Well shut in. Waiting on swabbing unit.

12-26-61
Started swabbing well. Hit fluid at 1500 feet. Swabbed to 3,000 feet in 6 hours. Swabbed oil and water.

12-27-61
Bled tubing pressure down from 500# to 0# in 3 minutes. Wouldn't unload.

12-28-61

400# on tubing. 700# on casing. Bled from 400# to 0# in 3 minutes. Swabbing at 1500' to 2500' - water. Swabbed 5 hours.

12-29-61
800# casing pressure. 300# tubing PSI. Swabbed at 1100' to 2,000' unloaded a little water. Casing PSI 500# after swabbing.

12-30-61 through 12-31-61
Well shut for pressure build up.

SWABBING AND FLOWING REPORT

H. M. BYLLESBY WELL #1

12-16-61

Well shut in.

12-17-61

Shut in.

12-18-61

Shut in.

12-19-61

Shut in.

12-20-61

Shut in.

12-21-61

Shut in.

12-22-61

Shut in.

12-23-61

Shut in. No pressure. Preparing to rig swabbing unit.

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SWABBING AND FLOWING REPORT

H. M. BYLLESBY WELL #1

12-12-61
Shut in

12-13-61
Shut in. Casing pressure: 500#. Tubing pressure: 375#. Blew down from 375# to 0# in 4 minutes. Would not unload.

12-14-61
Shut in for pressure build-up. Casing pressure: 500#. Tubing pressure: 125#.

12-15-61
Shut in pressure: Tubing 200#, Casing pressure 500#.

SWABBING AND FLOWING REPORT

H. M. BYLLESBY AND COMPANY WELL #1

12-8-61

Shut in

12-9-61

Shut in

12-10-61

Shut in

12-11-61

Casing pressure: 600#. Tubing pressure 250#. Blew down in 15 minutes.

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SWABBING AND FLOWING

H. M. BYLLESBY AND COMPANY
Well Number 1

12-2-61 through 12-3-61

Well Shut in.

12-4-61

Casing pressure 500#. Tubing pressure: 150#. Blew to 0# in 15 minutes.

12-5-61

Shut in for pressure build-up.

12-6-61

Shut in, pressure build-up.

12-7-61

Well shut in for pressure build-up.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

Confidential - Confidential

State UTAH County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for January, 1962

Agent's address P.O.Box 473
Vernal, Utah

Company H.M.Byllesby & Company

Signed [signature]

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					See attached remarks. Well shut in pending more favorable weather.
C-NW-SW-5	13S	20E	2					Testing by stop cocking. See attached data sheets.
C-SW-23	13S	20E	3					On pump. See attached reports.

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NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

SWABBING AND FLOWING REPORT

H. M. BYLLESBY AND COMPANY WELL #1

1-19-62
Well shut in to pressure up. Tubing pressure: 300#. Casing pressure: 600#.

1-20-62
Shut in to pressure up to unload. Tubing pressure 300#. Casing pressure: 600#.

1-21-62
Shut in to pressure up.

1-22-62
Shut in.

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SWABBING AND FLOWING REPORT

H. M. BYLLESBY AND COMPANY

Well No. 1

1-23-62
Shut in. Waiting to see if it will pressure up to unload.

1-24-62
Shut in to pressure up.

1-25-62
Shut in.

1-26-62
Well shut in.

1-27-62
Well Shut in.

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SWABBING AND FLOWING REPORT

H. M. BYLLESBY AND COMPANY WELL #1

1-11-62 through 1-12-62

Well shut in waiting for swabbing unit as well will not unload.

1-13-62
Bled well from 400# pressure to 0# in 8 minutes. Would not unload.

1-14-62
Shut in pressure: 200#. Waiting on swabbing unit.

1-15-62
Tubing pressure: 275#. Casing pressure: 600#. Well shut in to pressure up, to determine if well will unload. Still waiting on swabbing unit.

1-16-62
Shut in. Tubing pressure: 275#. Casing pressure: 600#.

1-17-62
Shut in. Pressure on tubing: 275#.

1-18-62
Shut in. Pressure on tubing: 300#.

1-19-62
Well shut in for pressure build up.

SWABBING AND FLOWING REPORT

H. M. BYLLESBY AND COMPANY Well #1

1-4-62
Well shut in. Tubing pressure: 350# and Casing pressure: 800#.

1-5-62
Shut in pressure: Tubing, 350# casing, 800#

1-6-62
Tubing pressure: 350#. Casing pressure 600#. Well shut in.

1-7-62
Shut in to pressure up to determine if it would unload. Tubing pressure remains at 350# and casing still at 600#.

16

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

CONFIDENTIAL

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for February, 1962

Agent's address P. O. Box 473 Company H. M. Byllesby & Company

Vernal, Utah Signed [signature]

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW-26	12S	20E	1					Well shut in for rework pending more favorable weather.
C-NW-SW-5	13S	20E	2					Testing by stop cocking. See attached data sheets.
C-SW-23	13S	20E	3					On pump. Well shut down from Feb. 8 to Feb. 28, 1962 due to heavy drifting snow and fast thawing which bogged down all operations.

43

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

CONFIDENTIAL

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for March, 1962

Agent's address P.O. Box 473
Vernal, Utah

Company H. M. Byllesby & Company

Signed Robert E. Covington Jr.

Phone 1060

Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. X

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW 26	12 S	20 E	1	S.D.				Shut in for rework pending better weather.
C-NW-SW 5	12 S	20E	2	S.D.				Unable to reach wells to test due to snow and then deep mud.
C-SW-23	12 S	20E	3	S.D.				

42

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for April, 19 62

Agent's address P. O. Box 473, Vernal, Utah Company Caldwell & Covington

Signed R. E. Covington

Phone 1060 Agent's title Representative

State Lease No. ..... Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☒

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW-NW 26	12S	20 E	1	SI	---	---	---	Shut in for rework
C-NW-SW 5	12S	20 E	2	SI	___	---	---	Shut in pending rework of roads.
C-SW-23	13S	20 E	3	SI	---	--	---	A/B.

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NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

May 9, 1963

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Re: Well No. Byllesby #1
Sec. 26, T. 12 S, R. 20 E.,
Uintah County, Utah

Well No. Byllesby #2
Sec. 5, T. 13 S, R. 20 E.,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the well logs for the above mentioned wells are due and have not been filed with this Commission as required by our rules and regulations.

Please complete the enclosed Form OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our forms.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA M. PECK
RECORDS CLERK

cnp

June 21, 1963

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Re: Well No. Byllesby #1
Sec. 26, T. 12 S, R. 20 E.,
Uintah County, Utah

Well No. Byllesby #2
Sec. 5, T. 13 S, R. 20 E.,
Uintah County, Utah

Gentlemen:

Reference is made to our letter of May 9, 1963. As of this date we still have not received the well logs for the above mentioned wells, that are over-due.

Please complete the enclosed Form OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our forms.

Your immediate attention to this matter will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

Encl. (Forms)

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June 29, 1963

Mr. Chandler Bylleaby
Denver Club Building
Denver 2, Colorado

Dear Mr. Bylleaby:

Enclosed, please find two letters I wrote to Mr. Caldwell and Mr. Covington of Vernal, Utah, which were returned by Mr. Covington.

We would appreciate your assistance in obtaining the well logs for the #1 and #2 Wells and the electric and/or radioactivity logs, along with the well log for the #3 Well.

Please complete the enclosed Form OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our forms.

Also, please indicate if you want this information held confidential. Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA M. PECK
RECORDS CLERK

cmp

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Collis P. Chandler, Jr., President

CHANDLER - SIMPSON, INC.

OIL EXPLORATION AND PRODUCTION • DENVER CLUB BUILDING • DENVER, COLORADO

JULY 3, 1963

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

GENTLEMEN

WOULD YOU BE SO KIND AS TO SEND US A COPY OF YOUR BOOKLET "GENERAL RULES AND REGULATIONS AND RULES OF PRACTICE AND PROCEDURE" TO THE UNDERSIGNED, AT THE ABOVE ADDRESS. THANK YOU.

YOURS VERY TRULY,

CHANDLER–SIMPSON, INC.

Sherry R. Stark (mrs.)

SHERRY R. STARK
ENGINEERING DEPARTMENT

SS–

Sent 7-5-63
Claudia

8

U.

Collis P. Chandler, Jr., President

CHANDLER - SIMPSON, INC.

OIL EXPLORATION AND PRODUCTION • DENVER CLUB BUILDING • DENVER, COLORADO

JULY 15, 1963

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

GENTLEMEN

PLEASE FIND ENCLOSED COPIES OF ELECTRICAL SURVEYS, GEOLOGICAL REPORTS AND COMPLETION REPORTS ON THE NO.1, NO. 2 AND NO. 3 BYLLESBY FEE WELLS. THIS IS ALL OF THE DATA WHICH WE HAVE ON THESE TESTS. DUE TO THE GREAT AMOUNT OF WORK ON THESE THREE WELLS, WE ARE ENCLOSING THESE REPORTS, RATHER THAN FILING STATE OR FEDERAL FORMS.

THE WELLS ARE STILL IN AN INDEFINITE STATUS AND, AS OF YET, HAVE NOT BEEN COMPLETED AS PRODUCERS OR DRY HOLES. AT THE PRESENT TIME, THE WELLS ARE SHUT IN AND EQUIPPED AS FOLLOWS --

WELL NO. 1 -- EQUIPPED WITH 2 INCH TUBING AND A CAMERON FLANGED TUBING HANGER. THE WELL IS SHUT IN WITH 2 INCH CAMERON VALVES.

WELL NO. 2 -- EQUIPPED WITH 2 1-2 INCH TUBING WITH CAMERON FLANGED TUBING HANGER. WELL IS SHUT IN WITH CAMERON VALVES.

WELL NO. 3 -- EQUIPPED WITH 2 STRINGS OF 2 INCH TUBING WITH CAMERON DUAL-COMPLETION TUBING HANGER. ONE STRING IS SHUT IN WITH 2 INCH CAMERON AND ORBIT, THE OTHER STRING OF TUBING IS EQUIPPED TO PUMP. ALL SURFACE EQUIPMENT ON THE WELL IS SHUT IN AT THE PRESENT TIME.

WE DO NOT ANTICIPATE ANY FURTHER OPERATIONS ON THESE WELLS IN THE NEAR FUTURE.

YOURS VERY TRULY,

CHANDLER-SIMPSON, INC.

E. B. MAKI
PETROLEUM ENGINEER

EBM-ss
ENCLS.

LANNAN & CO.
INSURANCE
CHICAGO · MINNEAPOLIS · PITTSBURGH · NEW YORK

141 WEST JACKSON BOULEVARD
CHICAGO 60604
WABASH 2-7187

June 2nd, 1965

The State of Utah
Oil and Gas Conservation Commission
Salt Lake City, Utah

Gentlemen:

Re: Oil and Gas Well Drilling
Bond No. 8S82365BC
H. M. Byllesby

Our records indicate that, we have i n force the above captioned bond covering various locations per list attached. This bond should be canceled as our Principal has advised that they are no longer doing business at these location however, we have been unable to find the proper party with whom the bond is filed. We have been corresponding with the Department of Interior of the United States, Bureau of Lan Management but they have been anable to help us. On reviewing our file we find the Obligee under the Bond is the State of Utah, For the Use and Benefit of Oil & Gas Conversion Commission.

The bond was originally issued in the name of H. M. Byllesby but was changed to **Advance Ross** by rider on October 22nd, 1964. The bond was originally issued on October 4th, 1960.

Will you please chek you records and advise us of the status of this bond?

Yours very truly,

LANNAN & CO.

A. Kekelik

/ark
encl.

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June 7, 1965

Lanna & Company Insurance
141 West Jackson Boulevard
Chicago, Illinois 60604

Re: Bond No. 8382865BC for three Bylesby Wells located in 12 & 13 South, Range 20 East, Uintah County, Utah.

Gentlemen:

Liability of the above mentioned bond cannot be released until such time as the Bylesby No. 1, 2 & 8 wells are plugged and abandoned or a new bond is filed in lieu thereof.

We would suggest that you contact Caldwell and Covington, the agents for Bylesby, P. O. Box 473, Vernal, Utah, to determine the status of these wells.

If some activity does not take place with respect to these wells in the not to distant future, this Commission will probably instigate action to have the wells plugged.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Caldwell & Covington
P. O. Box 473
Vernal, Utah

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PHONE: 222-1984

M. C. HOFFMAN
PETROLEUM CONSULTANT
1414 DENVER CLUB BLDG.
DENVER, COLORADO 80202

September 3, 1965

Mr. Paul W. Burchell, Chief Engineer
OIL & GAS CONSERVATION COMMISSION
348 E. S. Temple
Salt Lake City, Utah

Re: Byllesby Wells No. 1, 2 and 3 - 20,000 acre fee block
No. 1 - NW NW Sec. 26, T12S, R20E, Uintah County
No. 2 - NE SW Sec. 5, T13S, R20E, Uintah County
No. 3 - SE NW SW Sec. 23, T13S, R20E, Uintah

Dear Mr. Burchell:

Confirming our telephone conversation today, we have had a survey made of the cost of pulling casing and completely abandoning these wells. Also, the cost of leaving casing in the hole and leaving the well to your specifications. As discussed by phone, the cost of doing this is extremely high, due to the isolated location and the necessary road building in order to do the work.

In addition, Advance Ross Corporation (sucessor to H. M. Byllesby Co.) has a very substantial investment in these wells and prefers to hold them in their present condition, in the hopes that some future fracking or other method, such as atomic blast may come along in the near future that would make it possible to make commercial gas wells out of these wells.

I am sure you have complete files in your possession on the condition of these wells, but am attaching a schematic drawing of each one showing its condition. These are correct except that the tubing was removed from Byllesby Well #3. All wells have high pressure valves and christmas trees installed, and were inspected approximately one year ago and there was no leakage whatever at the surface.

This letter is therefore a request for your concurrence in leaving the wells in the present condition with the understanding that the bond will be maintained and that these wells will be inspected from time to time to be sure there is no change in surface conditions.

Your approval would be very much appreciated and, as I discussed with you on the phone, if I have an opportunity to make an inspection trip in the near future, I will notify you and hope that you can go to the wells with me.

Yours very truly,

M. C. Hoffman For -
ADVANCE ROSS CORPORATION

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE: 9-7-65 by Paul W. Burchell
Chief Petroleum Engineer

MCH/kt

Enc. 3

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

December 6, 1991

To: R. J. Firth
D. T. Staley
J. L. Thompson
S. L. Schneider

From: Lisha Romero

Re: Wells listed under N0000/Unknown Operator on Fee and State leases.

All wells previously listed under N0000/Unknown Operator on Fee and State leases, have been changed back to the last known operator, based on information obtained from the well files. Wells that are currently in Shut-In, OPS, or TA status have been assigned Entity numbers. Bond availability has been reviewed for wells on Fee land. Operator's with unplugged wells will now show up on the monthly turnaround report under the last known operator, except for those wells with TA or OPS status. However, due to the fact that the majority of these operators no longer exist, and the fact that the wells have been in unknown operator status for several years, the operator's addresses have been X'd out to prevent mailing of the monthly report.

My intentions are to follow-up with St. Lands/Ed Bonner on lease cancellations, assignments & bonding for wells drilled on State leases.

The Tax Commission will be notified of these changes, and asked to continue to hold off on any action until DOGM advises otherwise.

I hope this change assists in determining future action regarding the unplugged wells within the state. I have attached information for your review. Please advise me of any additional steps to take.

FEE LEASES

Associated Energy Corp./P0061

Broadhead, M.D./N9745

Burnham Oil Co./P0531

Caltah Oil Company/P0397

Carbon Emery Producers/P0126

D & D Oil Co./P0794

Delta Petroleum & Energy/P0032

H.M. Byllesby & Co./P0215

Midway Oil & Refining Co.

Milagro Energy Resources/N2590

Rancho Energy Corp./N3970

Taylor & Taylor/P0561

Tomlinson, Sid/P0795 **(Well Stat/TA - No Monthly Report)**

Vanco Oil Co./P0411

Zepco Inc./P0791 **(Well Stat/OPS - No Monthly Report)**

Zion Oil Co. of Nevada/P0792

FEE/PLUGGED WELLS BY COUNTY

BOX ELDER

P0791/Zepco Inc.
43-003-30005/Sec. 2, T. 12N, R. 2W - LaMar Bowen #1 - PA
(WSW/Permit #862973 eff. 3-23-90)

GRAND

P0796/Defense Plant Corp.
43-019-20397/Sec. 4, T. 22S, R. 19E - #1 - PA
(Prior OGCC *Hotline Energy Report 1981/PA'd 9-19-49)

SALT LAKE

P0321/Utah Gas & Oil Corp.
43-035-30006/Sec. 16, T. 1N, R. 1W - Lakeview #1 - PA
(PA'd by DOGM/Glenn Goodwin & S.L. International Airport/NFIN)

SAN JUAN

P0802/Boulder Knoll Oil & Gas Co.
43-037-20351/Sec. 17, T. 34S, R. 25E - #1 - PA
(Prior OGCC *PA'd 6-12-30)

UINTAH

P0215/H. M. Byllesby & Co.
43-047-15101/Sec. 26, T. 12S, R. 20E - #1 Byllesby - PA
(Final Insp. 10-24-89/NFIN)

P0634/Utah Oil Refining Co.
43-047-16258/Sec. 23, T. 5S, R. 22E - Fee #1 - PA
(PA'd 7/42 *Administrative Decision/No Bond)

WASHINGTON

P0792/Zion Oil Co. of Nevada
43-053-30013/Sec. 13, T. 41S, R. 12W - Burnham B-4X - PA
(PA'd per 3-17-87 Insp.)

43-053-30011/Sec. 13, T. 41S, R. 12W - Utah Parks Petroleum 2 - PA
(PA'd per 3-17-89 Insp.)

April 28, 1997

To: John Baza, Petroleum Engineer.

From: David W. Hackford, Roosevelt Inspection Staff.

Re: List of wells inspected during H. M. Byllesby & Co. operator inspection, followed by overview of inspection.

WELL	API	STATUS
#1 Byllesby	43-047-15101 ~~unknown~~	SGW
#2 Byllesby	43-047-15102	SGW

OVERVIEW

The Byllesby operator inspection was conducted on April 25, 1997. The Byllesby #1 is located in Section 27, 12S, 20E. The only equipment on location is a wellhead and tree consisting three 2" Cameron gate valves, one 2" choke and two inoperative gauges. The location is covered with greasewood that in places reaches six feet in height. There are pieces of drilling line, sand line and old boards scattered over the area. There is an open pit that is also covered with brush and holds two rotted out oil drums.

This well was reported PA'd, and while it is possible there are mechanical and/or cement plugs in the well bore, it is unlikely anyone would do this then reinstall the tree. The GPS coordinates for this well are 12615353 E, 4400732 N. Pictures of this well were taken on 1/14/94 and again on this inspection.

The Byllesby #2 is in Section 5, 13S, 20E. Records show this well to be a Mesaverde well reaching TD of 8514'. The well was drilled in 1960. The equipment and location condition are nearly identical to that of the #1.

FAX TRANSMISSION

UINTAH COUNTY RECORDER
RANDY JAMES SIMMONS
147 EAST MAIN STREET
VERNAL, UTAH 84078
PHONE: (435) 781-5461 5461
FAX: (435) 781-5319

DATE: 8-18-99

TO THE ATTENTION OF: Bob Krueger

FAX NUMBER: 801-359-3940

COMPANY: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

NUMBER OF PAGE(S) TO FOLLOW: 2

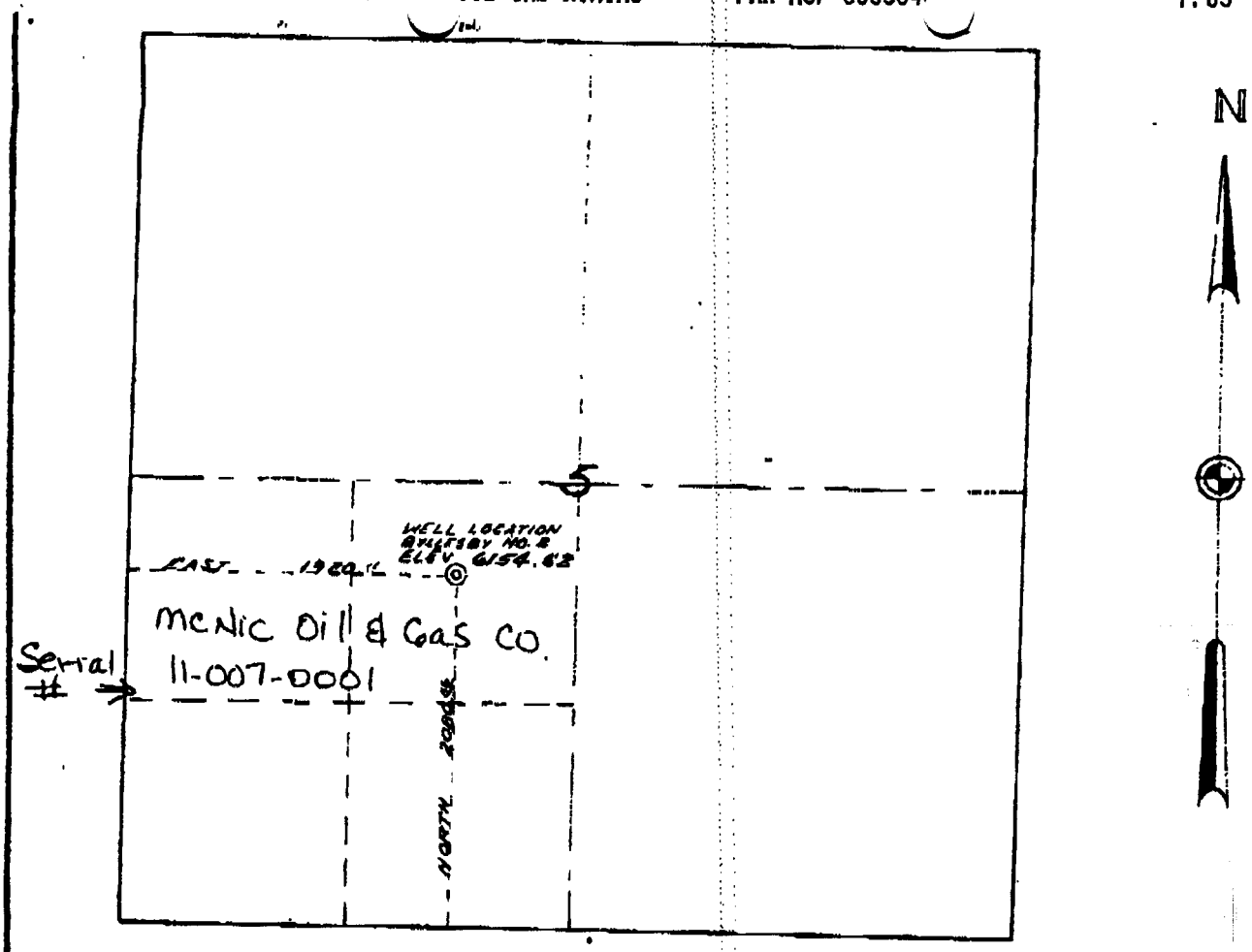
COMMENTS: _____

_____

BILLING & DESCRIPTION OF SERVICE

Description	Rate	Amount
	Total	

_____
RANDY JAMES SIMMONS
UINTAH COUNTY RECORDER
BY _____
DEPUTY



WELL LOCATION

BYLLESBY NO. 2

H.M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NE¼ SW¼, SECTION 5

T13S., R 20E. OF THE S.L.B.M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

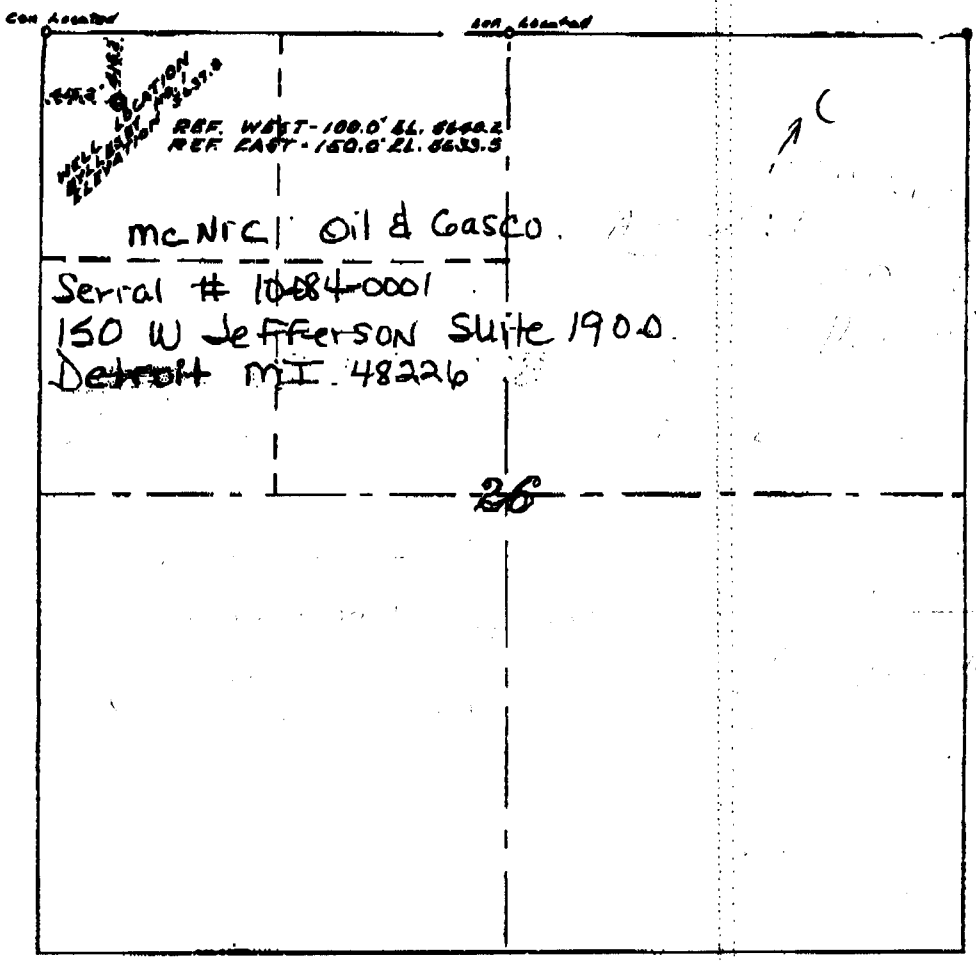
REF. POINT EAST 150' ELEV. 6156.61

REF POINT WEST 130' ELEV. 6164.71

This is to certify that the Well Location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date surveyed, October 9&10 1960

Tom Walker
Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colorado
Certificate No. 1548-UTAH



WELL LOCATION

BYLLESBY NO. 1

H. M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NW¼ NW¼ SECTION 26,

T. 12 S., R. 20 E. OF THE S. L. B. M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

This is to certify that the "Well Location" shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.
Date Surveyed: Oct. 9 & 10, 1960

Tom Walker
Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colo.
Certificate No. 1666-UTAH

29

Stick postage stamps to article to cover First-Class postage, certified mail fee, and charges for any selected optional services *(See front).*

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier *(no extra charge).*

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach, and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make an inquiry. 102595-97-B-0145

PS Form **3800,** April 1995 *(Reverse)*

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

DANIEL L SCHIFFER
MCNIC OIL & GAS CO
STE 1800
150 W JEFFERSON
DETROIT MI 48226

4a. Article Number

Z 350 464 782

4b. Service Type

- ☐ Registered
- ☒ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*

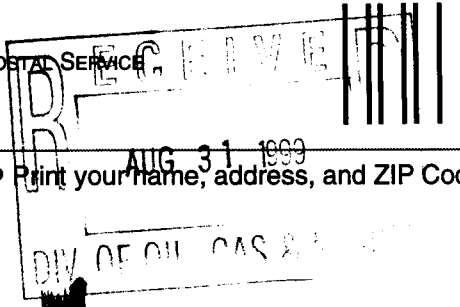
X Kristin Mott

PS Form **3811,** December 1994 102595-97-B-0179 Domestic Return Receipt

DOGM - LWP / RJK

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

● Print your name, address, and ZIP Code in this box ●

DIVISION OF OIL GAS & MINING
PO BOX 145801
SALT LAKE CITY UT 84114-5801

Z 350 464 782

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to DANIEL L SCHIFFER McNic Oil & Gas Co.	
Street & Number 150 W JEFFERSON, STE 1800	
Post Office, State, & ZIP Code DETROIT MI 48226	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

SALT LAKE CITY MAIN OFFICE 20 1999 USPS - 84199

PS Form **3800**, April 1995

DOGM - LWP / RJK

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

August 19, 1999

Mr. Daniel L. Schiffer
McNic Oil & Gas Company
150 W. Jefferson, Suite 1800
Detroit, Michigan 48226

BY CERTIFIED MAIL NO.: Z 350 464 782

Re: Right of Entry Agreement to Plug Abandoned Wells

Dear Sir:

The Utah Division of Oil, Gas and Mining (the "Division") has completed a public records review at the Uintah County Records Department in Vernal, Utah which indicates your firm is the surface owner of land containing two abandoned gas wells as follow:

1. Byllesby No. 1 Well, situated in the NW ¼ NW ¼, Section 26, T.12S, R. 20 E, of the S.L.B.M.; and,
2. Byllesby No. 2 Well, situated in the NE ¼ SW ¼, Section 5, T.13S, R. 20 E, of the S.L.B.M.

The wells in question were drilled and completed in 1961 and have never produced and sold oil or gas. In addition, the Division has no operator of record for the subject wells. Therefore, the Division is required to plug and abandon the wells in order to protect human health and the environment. There is no cost to your firm for this work.

Please find enclosed two copies of a Right of Entry Agreement ("Agreement") which will grant the Division access to the wells for plugging and abandonment work. Please complete, sign, date and have notarized both copies, returning one complete copy to me and retaining one copy for your records.

A date has not yet been set for the work but may be as soon as this fall. Access to the wells is not possible from December through April due to weather and terrain constraints. If you have any questions please call me at (801) 538-5274, or John Baza, Associate Director at (801) 538-5334. Your prompt attention to this matter is appreciated.

Sincerely,

Robert J. Krueger
Petroleum Engineer

Enclosure

cc: John R. Baza, Associate Director
Lowell P. Braxton, Director

Display DOMESTIC CORPORATION August 24, 1999 8:31 AM

ID: 520734 Out Date: Out Why:

Name: MCNIC OIL & GAS COMPANY

Inc. Date: 09/11/1992 Inc. State: MICHIGAN Term: PERPETUAL
Purpose: ALL PURPOSE CLAUSE LY: 99 Roll: 5517 Frame: 2714 Extension: 0
Acts: 284-1972 Nonstock: Written Consent: Y
Section 488: N LY OD: 99

Agent: DANIEL L. SCHIFFER
Address: 500 GRISWOLD STREET

City: DETROIT State: MI Zip: 48226
Mailing:

PO:
City: State: Zip: Name His: 1
Asm Names: 0
Shares: 50,000.000 Base: 0.000 Stock His: N
Other Stock: N Paid: 0 FE: 000000000

1) Images 7) History 9) Pending 10) Modify 11) Assumed Names 12) Comment Letters 13) Help 15) Print Screen 16) Return

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

August 19, 1999

Mr. Daniel L. Schiffer
McNic Oil & Gas Company
150 W. Jefferson, Suite 1800
Detroit, Michigan 48226

BY CERTIFIED MAIL NO.: Z 350 464 782

Re: Right of Entry Agreement to Plug Abandoned Wells

Dear Sir:

The Utah Division of Oil, Gas and Mining (the "Division") has completed a public records review at the Uintah County Records Department in Vernal, Utah which indicates your firm is the surface owner of land containing two abandoned gas wells as follow:

1. Byllesby No. 1 Well, situated in the NW ¼ NW ¼, Section 26, T.12S, R. 20 E, of the S.L.B.M.; and,
2. Byllesby No. 2 Well, situated in the NE ¼ SW ¼, Section 5, T.13S, R. 20 E, of the S.L.B.M.

The wells in question were drilled and completed in 1961 and have never produced and sold oil or gas. In addition, the Division has no operator of record for the subject wells. Therefore, the Division is required to plug and abandon the wells in order to protect human health and the environment. There is no cost to your firm for this work.

Please find enclosed two copies of a Right of Entry Agreement ("Agreement") which will grant the Division access to the wells for plugging and abandonment work. Please complete, sign, date and have notarized both copies, returning one complete copy to me and retaining one copy for your records.

A date has not yet been set for the work but may be as soon as this fall. Access to the wells is not possible from December through April due to weather and terrain constraints. If you have any questions please call me at (801) 538-5274, or John Baza, Associate Director at (801) 538-5334. Your prompt attention to this matter is appreciated.

Sincerely,

Robert J. Krueger
Petroleum Engineer

Enclosure

cc: John R. Baza, Associate Director
Lowell P. Braxton, Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
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1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax) ← Fax (801) 359-3940
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 8-23-99

FAX #: (517) 334-8329

ATTN: Records

COMPANY: Michigan Corporations

DEPARTMENT: —

NUMBER OF PAGES: (INCLUDING THIS ONE) X 2

FROM: Bob Krueger

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.
We are sending from a sharp facsimile machine. Our telecopier number is (801)359-3940.

MESSAGES:

Can you please verify the correct spelling and type of company (i.e. "a Michigan Corporation") for

MCNIC ~~Mcnic~~ Oil & Gas Company
150 W. Jefferson, Suite 1800
Detroit, MI 48226

Thanks,

Please fax back response to # above

P.01

TRANSACTION REPORT

NOV-02-99 MON 11:05 AM

SEND(M)

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
NOV-02	10:59 AM	13139650009	6'25"	13	SEND	(M) OK	165	
			TOTAL	6M 25S	PAGES:	13		

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 11-2-99

FAX #: (313) 965-0009

ATTN: Pauline Doohan Phone (313) 256-5187

COMPANY: MCN Energy Group 500 Griswold Detroit MI 48226

DEPARTMENT: Legal

NUMBER OF PAGES: (INCLUDING THIS ONE) 13

FROM: Bob Krueger #(801) 538 5274

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
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Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 11-2-99

FAX #: (313) 965-0009

ATTN: Pauline Doohan

COMPANY: MCN Energy

DEPARTMENT: Legal

NUMBER OF PAGES: (INCLUDING THIS ONE) 13

FROM: Bob Krueger #(801) 538 5274
nrogm.bkrueger estate.ut.us.

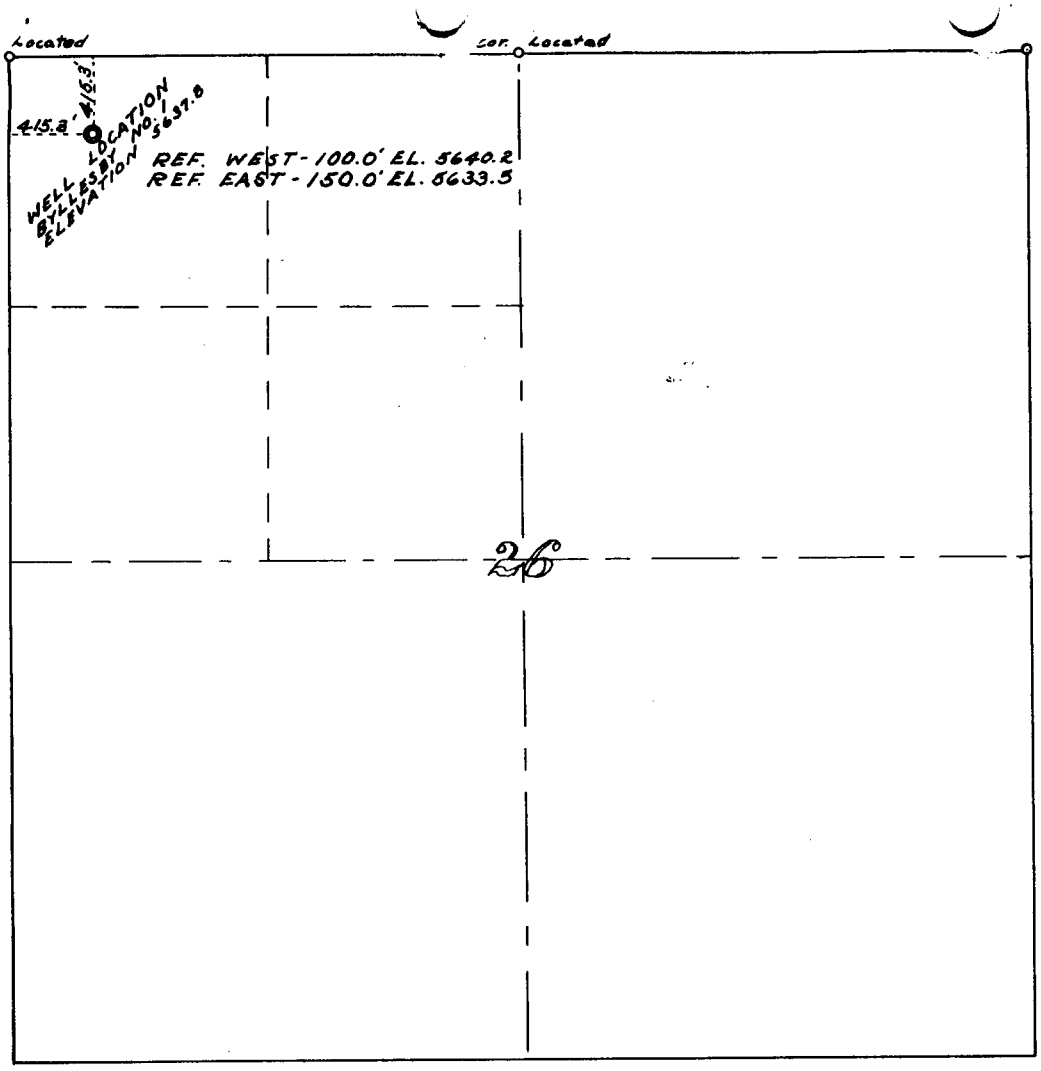
If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.
We are sending from a sharp facsimile machine. Our telecopier number is (801)359-3940.

MESSAGES:

Please find attached the R. of E. Agreement we discussed. I also attached the fax I received from the Uintah County Recorders Office showing surface ownership of the land the orphan wells in question are on.

Thank you for you assistance!

BK



WELL LOCATION

BYLLESBY NO. 1

H. M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NW¼NW¼ SECTION 26,

T. 12 S., R. 20 E. OF THE S. L. B. M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

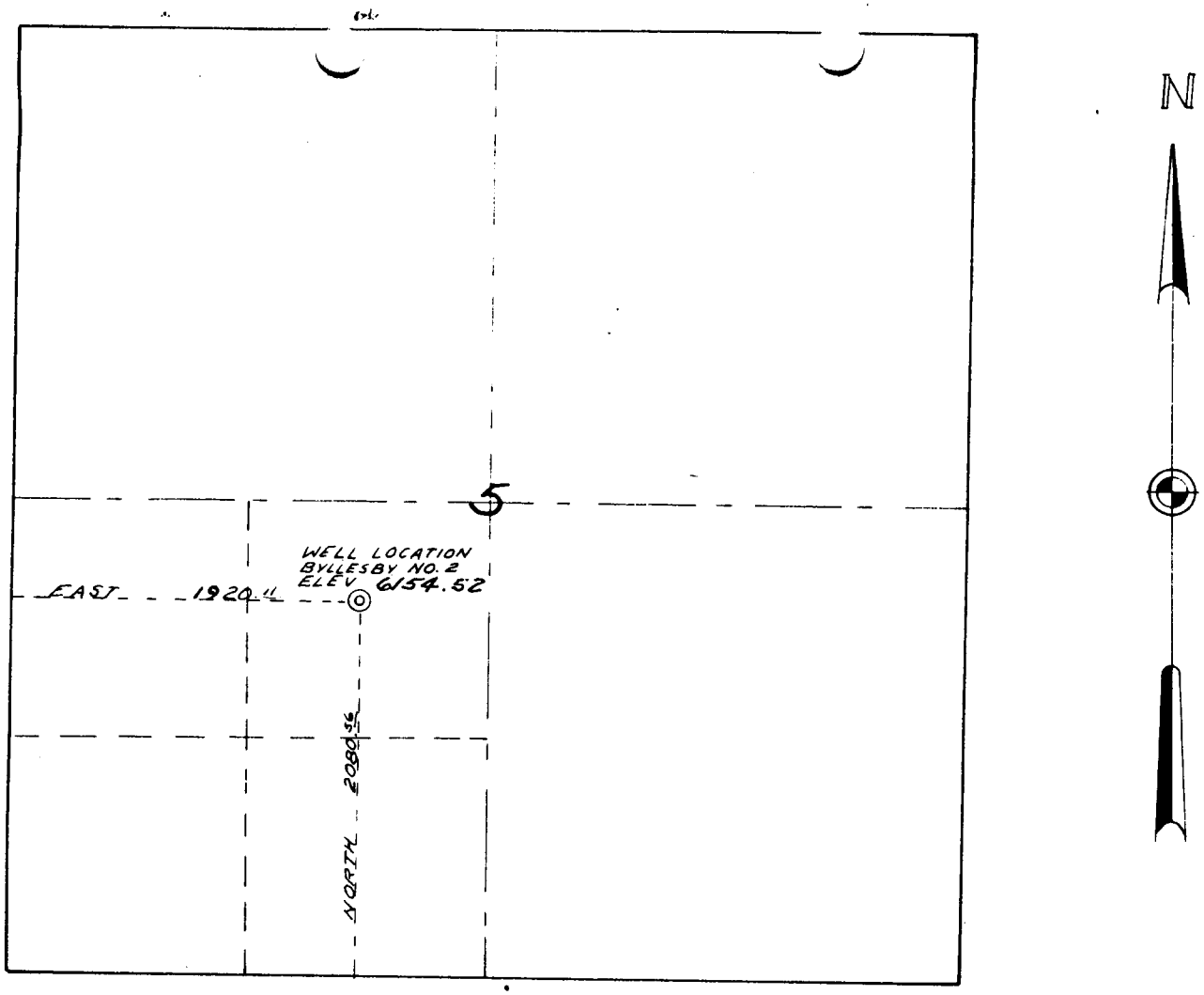
This is to certify that the "Well Location" shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.
Date Surveyed: Oct. 9 & 10, 1960

Tom Walker

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colo.
Certificate No. 1548-UTAH

EXHIBIT A

1/2



WELL LOCATION

BYLLESBY NO. 2

H.M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NE¼ SW¼, SECTION 5

T13S., R 20E. OF THE S.L.B.M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT EAST 150' ELEV. 6156.51

REF POINT WEST 130' ELEV. 6154.71

This is to certify that the Well Location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date surveyed, October 9&10, 1960

Tom Walker

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colorado
Certificate No. 1548-UTAH

EXHIBIT A

2/2

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

PAULINE DOOHAN
MCN ENERGY GROUP
500 GRISWOLD
DETROIT MI 48226

4a. Article Number

Z 350 464 789

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery 11-8-99

5. Received By: *(Print Name)*

6. Signature: *(Addressee or Agent)*

X

8. Addressee's Address *(Only if requested and fee is paid)*

PS Form **3811,** December 1994 102595-97-B-0179 **Domestic Return Receipt**

DOGM LWP/RJK

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

DIVISION OF OIL GAS & MINING
PO BOX 145801
SALT LAKE CITY UT 84114-5801

MCN ENERGY GROUP INC.

PAULINE E. DOOHAN
SENIOR ATTORNEY

500 GRISWOLD STREET
DETROIT, MICHIGAN 48226-3700
313 256-5187
313 965-0009 FAX

November 10, 1999

Mid-Apr. Access OK
End

Robert J. Krueger, P.E.
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Re: Right of Entry Agreement to Plug Abandoned Wells

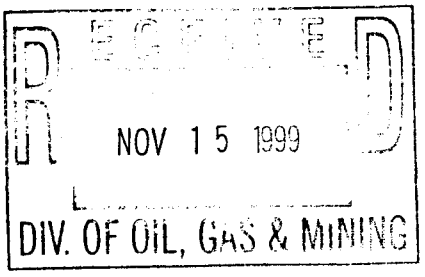
Dear Mr. Krueger:

Enclosed please find one fully executed Right of Entry Agreement granting the Sate of Utah's Oil and Gas Division permission to plug two abandoned wells.

If you have any questions, please call me.

Sincerely,

Pauline E. Doohan
PED/ac
Enclosure
cc: Tom Woodbury



RIGHT OF ENTRY AGREEMENT

This Right of Entry Agreement (the "Agreement"), entered into effective as of the latest date it has been signed by all parties named below, is by and between MCNIC Oil & Gas Company, Michigan Corporation No. 520734, whose mailing address is 150 W. Jefferson, Suite 1800, Detroit, Michigan 48226, (the "Landowner"), and the State of Utah, Department of Natural Resources, Division of Oil, Gas & Mining, Attn: Director, 1594 West North Temple, Suite 1210, Box 145801, Salt Lake City, UT 84114-5801 (the "Division").

Recitals

Whereas, the Landowner represents to the Division that the Landowner is the lawful owner of record of that certain parcel of land located in Uintah County, Utah described more particularly as follows:

- the NW ¼ NW ¼, Section 26, T.12S, R. 20 E, of the S.L.B.M.; and,
- the NE ¼ SW ¼, Section 5, T.13S, R. 20 E, of the S.L.B.M

(the "Subject Property"); and

Whereas there is are abandoned oil and/or gas wells on the Subject Property, known as the Byllesby #1 and # 2 wells, (API Nos. 43-047-15101 and 43-047-15102, respectively, the "Wells"), at the location shown more particularly on the Well Site Location Maps attached hereto as Exhibit A and hereby incorporated by reference; and

Whereas the Division, through its employees, agents, consultants, independent contractors and/or other representatives, desires to conduct certain reclamation activities at the Wells on the Subject Property at no cost to the Landowner (the "Project"); and

Whereas, to encourage the Division to do the Project, the Landowner desires to give permission, during the agreed term of this Agreement, to the Division and its employees, agents, consultants, independent contractors and/or other representatives to enter upon and remain on the Subject Property to undertake the work related to the Project during the term of this Agreement in a manner and scope deemed appropriate by the Division;

Now, therefore, in consideration of the foregoing premises, the Landowner and the Division mutually agree as follows:

1. Definitions.--The defined terms and recitals set forth above are hereby incorporated by reference.

2. Right of Entry.--The Landowner hereby agrees and consents that, during the term of this Agreement, duly authorized employees, agents, consultants, independent contractors and/or other representatives of the Division may, at no cost, enter upon and remain on the Subject Property to perform or inspect the Project pertaining to the Wells.

3. Scope of Project.---Subject to availability of resources to the Division, and the Division's other priorities, the Project will consist of reclamation activities to eliminate hazards and environmental problems created by past oil and gas exploration and production activities at the Wells which, in the sole discretion of the Division, adversely affect the public's health, safety and general welfare. The Project may consist of, but is not necessarily limited to, plugging and abandoning the Wells and reclamation of the surface of land in the vicinity of the Wells. The actual scope and timing of the Project will be as deemed reasonable, necessary, prudent and economic in the sole discretion of the Division.

4. Independent Contractor/Liability Issues.--Subject to availability of resources to the Division, and the Division's other priorities, it is understood that the Division currently plans to contract with an independent contractor (or contractors) to carry out all or most of the contemplated reclamation activities on the Project. The Division does not by this Agreement accept liability for errors or omissions, if any, of said independent contractors, unless said liability is otherwise imposed on the Division by applicable Utah law. Any claim by the Landowner against the Division would be subject to the usual requirements and limits of Utah law, such as the doctrine of governmental immunity and the legal limits of governmental liability, so nothing in this Agreement should be construed otherwise. The Division can and does represent to the Landowner that the Division will require its independent contractor on the Project to carry liability insurance and to agree to indemnify the Division and the Landowner from any and all injuries sustained by third parties in connection with said independent contractor's negligent performance, if any, of the reclamation activities on the Project. Of course, the Division makes no guarantee or promise to the Landowner that said indemnity and/or policy of liability insurance necessarily will cover every third party claim, since all indemnity clauses and insurance policies are subject to certain exclusions, conditions and limits. In no case will the Division or its independent contractor insure or indemnify the Landowner for the Landowner's own contributory negligence, if any.

5. No Project Cost or Project Warranty to the Landowner.--It is expressly understood that all costs incurred for studies and reclamation activities shall be the sole liability of the Division. All reclamation activity performed by the Division under the Project will be pursuant to authority under Utah Code Annotated Title 40, Chapter 6 (the "Oil and Gas Act"), and the administrative rules duly promulgated by the Utah Board and/or Division of Oil, Gas & Mining pursuant to the Oil and Gas Act. Since the Division is not charging the Landowner for the cost of the Project, the Landowner understands and agrees that the Division is not assuming a contractual obligation under this Agreement to perform the Project in any particular way or manner to the personal satisfaction of the Landowner.

The Division does not make any express or implied warranty or guarantee whatsoever to the Landowner relative to the Project, including but not limited to any warranty that the Project will make the Subject Property suitable or safe for any specific use.

6. Term.--The term of this Agreement shall be from 12:01 a.m. at the Subject Property on its effective date until 11:59 p.m. at the Subject Property on the third anniversary of the effective date. All permissions granted by the Landowner to the Division shall expire at the end of the term of this Agreement.

7. Entire Agreement.--This Agreement states the entire understanding of the Landowner and Division with regard to the Project, and all prior or contemporaneous oral or written communications between the parties hereto regarding the Project are superceded by this Agreement. Except as provided for herein, neither the Division nor the Landowner shall undertake any activity, either expressed or implied, nor make any representation which purports to bind the other. Any subsequent modification of this Agreement must be in writing and signed by both the Landowner and the Division.

8. Dispute Resolution.--The Landowner and the Division agree that any dispute under this Agreement shall be resolved in the Third District Court in and for Salt Lake County, Utah.

9. Successors & Assigns.--This Agreement shall be binding on the successors and assigns of the Landowner and the Division, and may be recorded by either party with the County Recorder of the County where the Subject Property is located.

10. Authority.--The persons who sign this Agreement on behalf of the Division and the Landowner each represent and warrant that they in fact have the authority to sign this Agreement.

11. Two Originals.--The parties agree that there shall be two originals of this Agreement, with one original to be retained by the Landowner and the other to be retained by the Division.

Signature Page

UTAH DIVISION OF OIL, GAS & MINING

By: Lowell P Braxton
Lowell P. Braxton
Title: Director, Division of Oil, Gas and Mining
Dated this 2nd day of November, 1999.

ACKNOWLEDGMENT

State of Utah)
) ss.
County of Salt Lake)

The foregoing instrument was acknowledged before me this 2nd day of November, 1999 by Lowell P. Braxton, Director of the Utah Division of Oil, Gas & Mining.

Victoria A. Bailey
Notary Public's Signature & Seal
Residing at: Salt Lake City, UT
My commission expires: February 29, 2000

Notary Public
VICTORIA A. BAILEY
1594 West North Temple
Salt Lake City, Utah 84114
My Commission Expires
February 29, 2000
State of Utah

Signature Page

MCNIC Oil & Gas Company, Michigan Corporation No. 520734

By (sign name): _____
Print Name: Daniel L. Schiffer
Print Title: Vice President
Dated this 9th day of November, 1999

REVIEWED
O.G.C.
BY _____

ACKNOWLEDGMENT

State of Michigan)
) ss.
County of Wayne)

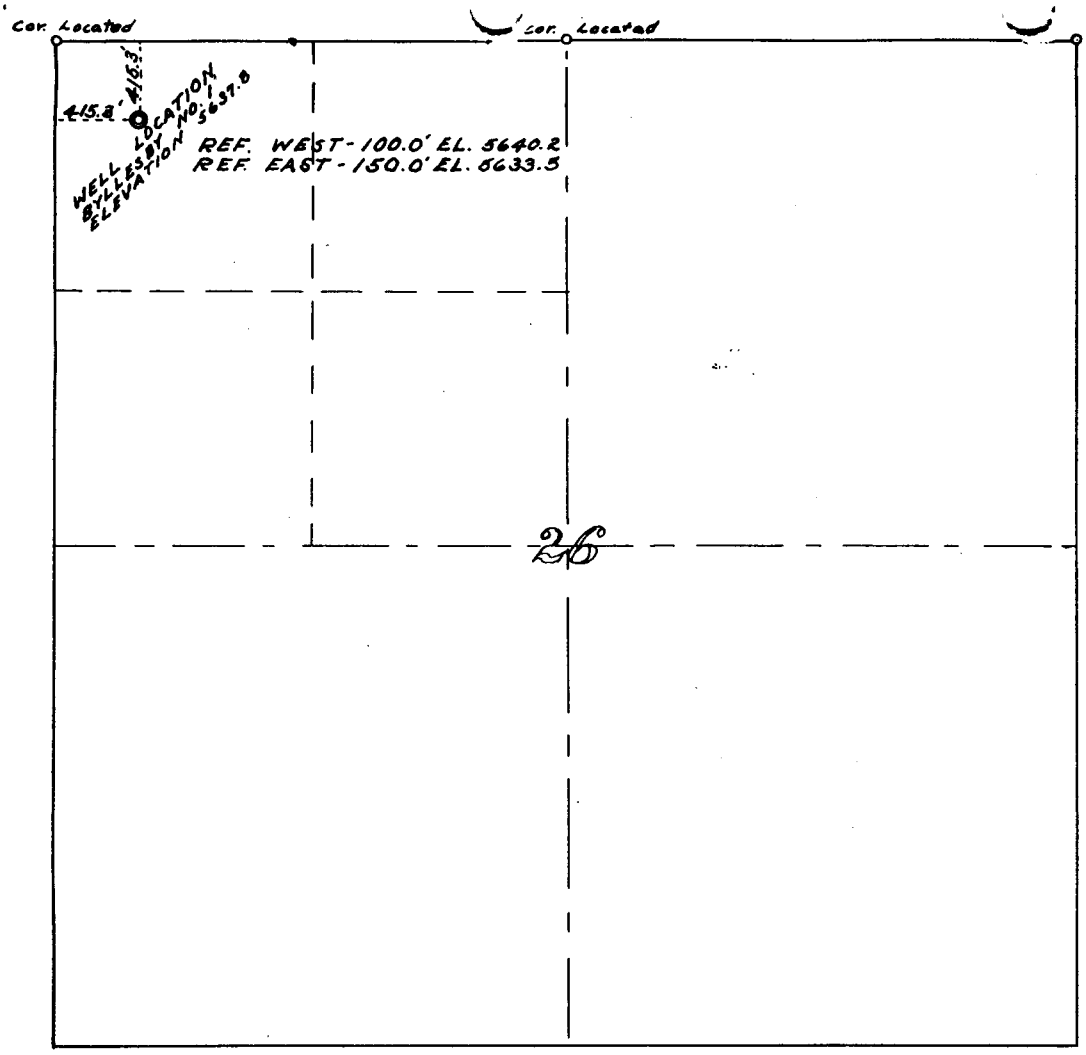
The foregoing instrument was acknowledged before me this 9th day of November, 1999 by Daniel L. Schiffer, whose title is Vice President with MCNIC Oil & Gas Company.

_____
Notary Public's Signature & Seal
Residing at: Detroit, Michigan
My commission expires: 05/10/01

ANDREA L. CAMPAU
Notary Public, Wayne County, MI
My Commission Expires May 10, 2001

EXHIBIT A

Well Site Location Maps



WELL LOCATION

BYLLESBY NO. 1

H. M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NW¼NW¼ SECTION 26,

T. 12S., R. 20E. OF THE S. L. B. M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

This is to certify that the "Well Location" shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.
Date Surveyed: Oct. 9 & 10, 1960

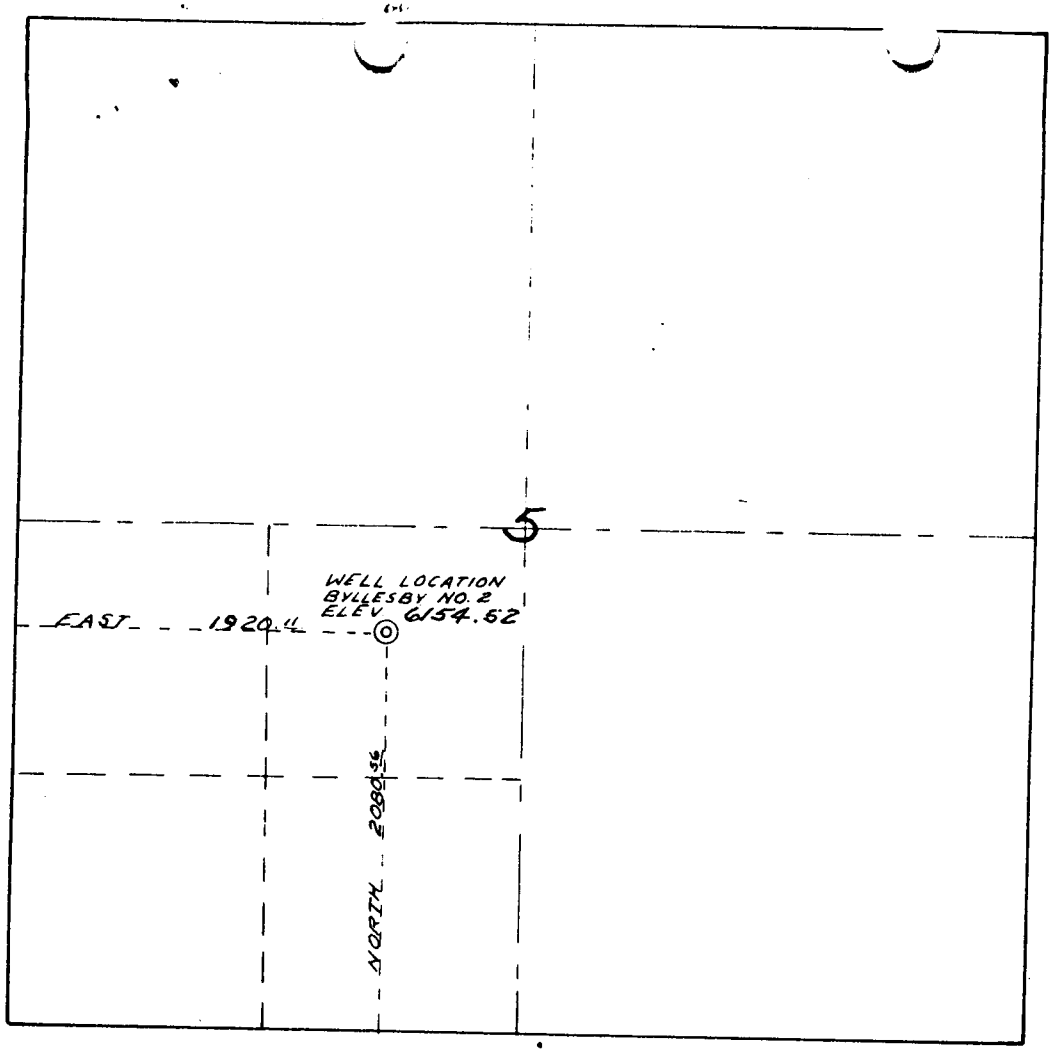
Tom Walker

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colo.
Certificate No. 1548-UTAH

EXHIBIT A

1/2

79



WELL LOCATION

BYLLESBY NO. 2

H.M. BYLLESBY & CO., INC.

CHICAGO, ILLINOIS

SITUATED IN NE¼ SW¼, SECTION 5

T13S., R 20E. OF THE S.L.B.M.

UINTAH COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT EAST 150' ELEV. 6156.51

REF. POINT WEST 130' ELEV. 6154.71

This is to certify that the Well Location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date surveyed, October 9&10 1960

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colorado
Certificate No. 1548-UTAH

EXHIBIT A

2/2

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

Bob Krueger
has file

March 6, 2000

43-049-15101

Travelers Casualty and Surety Company
Attn: Mr. William Thompson
215 Schuman Boulevard
Naperville, Illinois 60563

CERTIFIED MAIL NO. Z350 464 790

Re: Filing of Claim for Bond No. 8S82365 ($5,000) Issued by The AETNA Casualty and Surety Company (Travelers Casualty and Surety Company), as Surety on behalf of H. M. Byllesby and Company, a Delaware corporation, as Principal

Dear Mr. Thompson:

This letter serves as a request by the Division of Oil, Gas and Mining ("DOGM", successor to the Oil and Gas Conservation Commission) for voluntary forfeiture of the referenced bond due to noncompliance with the following conditions set forth in the bond (see copy of bond in Attachment A).

"NOW THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State, and the rules and regulations and orders of the Conservation Commission of the State, including, but not limited to, the proper plugging of said well or wells, and filing with the Oil and Gas Conservation Commission of the State, all notices and records required by said Commission, ..."

At a minimum, H. M. Byllesby and Company (the "Operator") has failed to comply with DOGM Rule R649-3-36, Shut-in and Temporarily Abandoned Wells, a copy of which is contained in Attachment B. DOGM has neither received correspondence from nor been able to establish contact with the Operator since 1963.

Current Status

DOGM has made numerous good faith attempts to establish contact with the Operator. A summary of the most recent attempts is contained in Attachment C. The

current whereabouts of the Operator are unknown and the wells have not been documented as having mechanical integrity and may pose a threat to public safety or the environment. Copies of well photographs taken in 1997 are included along with well diagrams in Attachment D.

DOGM has contacted the surface owner and has entered into a right of entry agreement for well plugging and reclamation work on the wells. The work is planned for May 2000. The estimated cost to properly plug and abandon the Byllesby #1 and Byllesby #2 wells are *$ 34,420* and *$ 32,100*, respectively. These cost estimates are based on current fiscal year unit costs as defined in DOGM's contract with a well plugging contractor. Costs estimates to plug and abandon the wells can be found in Attachment E.

If you have any questions please contact Robert J. Krueger, Petroleum Engineer at (801) 538-5274 or John Baza, Associate Director - Oil and Gas Program at (801) 538-5334. Your prompt attention to this matter is appreciated.

Sincerely,

Lowell P. Braxton
Director, Division of Oil, Gas and Mining

cc: John R. Baza, PE, Associate Director
Robert J. Krueger, PE, Petroleum Engineer
Bond File
Well Files

Attachments

ATTACHMENT A

Copy of Bond No. 8S82365

ATTACHMENT B

DOGM Rule R 649-3-36

R649-3-35-1 will be held confidential in accordance with R649-2-11 at the request of the operator.

3. The division shall review the submitted information and advise the operator and the State Tax Commission of its decision regarding the wildcat well designation as related to Section 59-5-102(2)(d).

4. The division is responsible for approval of a request for designation of a well as a wildcat well. If the operator disagrees with the decision of the division, the decision maybe appealed to the board. Appeals of all other tax-related decisions concerning wildcat wells should be made to the State Tax Commission.

R649-3-36. Shut-in and Temporarily Abandoned Wells.

1. Wells may be initially shut-in or temporarily abandoned for a period of twelve (12) consecutive months. If a well is to be shut-in or temporarily abandoned for a period exceeding twelve (12) consecutive months, the operator shall file a Sundry Notice providing the following information:

1.1. Reasons for shut-in or temporarily abandonment of the well,

1.2. The length of time the well is expected to be shut-in or temporarily abandoned, and

1.3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment.

2. After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action to be taken to establish and maintain the well's integrity.

3. After five (5) years of nonactivity or nonproductivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator.

4. If after a five (5) year period the well is ordered plugged by the Division, and the operator does not comply, the operator shall forfeit the drilling and reclamation bond and the well shall be properly plugged and abandoned under the direction of the Division.

BOND NO. 8 S 82365

THE STATE OF UTAH

OIL AND GAS CONSERVATION COMMISSION

B O N D

KNOW ALL MEN BY THESE PRESENTS,

That we: H. M. Byllesby and Company, a Delaware corporation,
of the County of: Cook in the State of: Illinois
as Principal, and: THE ÆTNA CASUALTY AND SURETY COMPANY
as surety, authorized to do business in this State, are held and firmly bound unto the State in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made to the State of Utah for the use and benefit of the Oil and Gas Conservation Commission, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State of Utah, to wit:

See rider attached
(may be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State, and the rules, regulations and orders of the Conservation Commission of the State, including, but not limited to, the proper plugging of said well or wells, and filing with the Oil and Gas Conservation Commission of the State, all notices and records required by said Commission, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal Sum of Five Thousand Dollars ($ 5,000.00) State of Utah

Witness our hands and seals, this 4th day of October, 1960.

H. M. Byllesby and Company

By: Richard E. Lackow
Principal Secy

Witness our hands and seals, this 4th day of October, 1960.

THE ÆTNA CASUALTY AND SURETY COMPANY

BY: A. P. Bulfin
A. P. Bulfin Surety Attorney-In-Fact

70

Approved as to form and execution:

ATTORNEY GENERAL
STATE OF UTAH

By: _____

Date: _____

COUNTERSIGNED
Ed. P. Smith and Sons
RESIDENT AGENT

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany this bond.)

The Ætna Casualty and Surety Company

Hartford, Connecticut

Power of Attorney and Certificate of Authority of Attorney(s)-in-Fact

KNOW ALL MEN BY THESE PRESENTS, THAT *The Ætna Casualty and Surety Company,* a corporation duly organized under the la of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, hath made, constitut and appointed, and does by these presents make, constitute and appoint D. K. Weiser, Joseph I. Johnson, John W. . Hirschmann, Norman Grimshaw or A.P. Bulfin * *

of Chicago, Illinois , its true and lawful Attorney(s), with full power and authority hereby conferred to sig execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area there designated , the following instrument(s . for The Ætna Casualty and Surety Company, as surety, by his sole signature and act any and al bonds, undertakings, and other writings obligatory in the nature of a bond,** * ***

and to bind *The Ætna Casualty and Surety Company,* thereby as fully and to the same extent as if the same were signed by the duly authorized office of *The Ætna Casualty and Surety Company,* and all the acts of said Attorney(s), pursuant to the authority herein given, are hereby ratified a confirmed.

This appointment is made under and by authority of the following provisions of the by-laws of the Company which provisions are now in fu force and effect and are the only applicable provisions of said by-laws.

ARTICLE IV—Section 9. The President, any Vice President, or any Secretary may from time to time appoint Resident Vice Presidents, Resident Assistant Secretari Attorneys-in-Fact, and Agents to act for and on behalf of the Company and may give any such appointee such authority as his certificate of authority may prescri to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors may at any time remove any such appointee and revoke the pow and authority given him.

ARTICLE IV—Section 11. Any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall valid and binding upon the Company when (a) signed by the President or a Vice President or by a Resident Vice President, pursuant to the power prescribed in t certificate of authority of such Resident Vice President, and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary or by a Reside Assistant Secretary, pursuant to the power prescribed in the certificate of authority of such Resident Assistant Secretary; or (b) duly executed (under seal, required) by one or more Attorneys-in-Fact pursuant to the power prescribed in his or their certificate or certificates of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following resolution adopted by the Boa of Directors of *The Ætna Casualty and Surety Company* at a meeting duly called and held on the 15th day of July, 1960.

RESOLVED: That the signature of Guy E. Mann, Senior Vice President, or of A. H. Anderson, Vice President, or of J. R. Julien, Secretary, or of D. N. Gag Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Res dent Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereo and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power s executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertakin to which it is attached.

IN WITNESS WHEREOF, *The Ætna Casualty and Surety Company* has caused these presents to be signed by its Secretary and its corporate seal to be hereto affixed, this 29th day of August , A. D., 19 60.

The Ætna Casualty and Surety Company

By ..... Secretary

State of Connecticut, County of Hartford—ss:

On this 29th day of August , A. D., 19 60, before me personally came J. R. JULIEN , to me known, who, being by me duly sworn, did depose and say: that he is Secretary c *The Ætna Casualty and Surety Company,* the corporation described in and which executed the above instrument, at its Home Office; that he know the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; and that he executed the said instrument on behalf of th corporation by authority of his office under the by-laws thereof.

George A. Perry, Jr.
Notary Public.
My Commission Expires Mar. 31, 19 61.

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CERTIFICATE

I, the undersigned, Secretary of *The Ætna Casualty and Surety Company,* a stock corporation of the State of Connecticut DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not bee revoked; and furthermore, that Article IV Sections 9 and 11, of the By-Laws of the Company, and the Resolution of the Board of Directors, as se forth in the Certificate of Authority, are now in force.

Signed and Sealed at the Home Office of the Company, in the City of Hartford, State of Connecticut. Dated this 4th day of October A. D., 19 60.

..... Secretary

(S-1853-B) (M)

RIDER TO BOND FURNISHED THE STATE OF UTAH OIL AND GAS COMMISSION BY H. M. BYLLESBY AND COMPANY, DATED OCTOBER 4, 1960

Legal description of land covered by the bond is as follows:

Township 12 South, Range 20 East, in Uintah County, Utah

Section 21:	All	Section 26:	All
Section 22:	All	Section 27:	All
Section 23:	All	Section 28:	All
Section 24:	W ½	Section 29:	All
Section 25:	W ½	Section 35:	All

Township 12 South, Range 21 East, in Uintah County, Utah

Section 31:	SW¼

Township 13 South, Range 20 East, in Uintah County, Utah

Section 1:	All	Section 11:	All
Section 3:	All	Section 12:	All
Section 4:	All	Section 13:	All
Section 5:	All	Section 14:	All
Section 6:	All except those lands included in Allotment 357 and Patent No. 797048.	Section 15:	E ½
		Section 22:	E ½
		Section 23:	All (now Rio Del Resources)
		Section 24:	All
Section 7:	All	Section 25:	All
Section 8:	All	Section 26:	All
Section 9:	All	Section 27:	NE¼
Section 10:	All		

Township 13 South, Range 21 East, in Uintah County, Utah

Section 6:	W ½	Section 19:	W ½
Section 7:	W ½	Section 30:	W ½
Section 18:	W ½	Section 31:	NW¼

Containing 19,200 acres more or less

RELL

STATE OF Illinois
COUNTY OF Cook } ss.

I, Marcella C. [illegible]

a Notary Public in and for said County and State, do hereby certify that

* * * * * * * * * * * * * Resident Vice-President, and

* * * * * * * * * * * * * Resident Assistant Secretary,

A. P. BULFIN Attorney in fact,

of **The Ætna Casualty and Surety Company,** who IS personally known to me to be the same person whose name IS subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that he signed, sealed and delivered said instrument, for and on behalf of **The Ætna Casualty and Surety Company,** for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 4th day of October, A. D. 1960

Marcella C. [illegible]
Notary Public.

Form S-1139-A

My Commission Expires November 20, 1961

ATTACHMENT C

Correspondence

Bond Forfeiture Surety Company Summary
March 30, 1999

H.M. Byllesby & Company
Well Name: Byllesby #1 & #2
Api Number: 43-047-15101 & 43-047-15102
Amount: $5,000.00
Surety Company: Travelers Casualty & Surety Company
Rating: A-
Bond Number: 8S82365
Address: One Tower Square
Hartford, CT 06183-6014
Phone: (860)277-0111
Comments: Tried to locate any information on H.M. Byllesby & Company by researching on Utah Department of Commerce's database the division has access to. I was not successful in finding any information. Also, tried calling information over the phone for Utah, Delaware and Illinois. I was not successful in locating any listings.

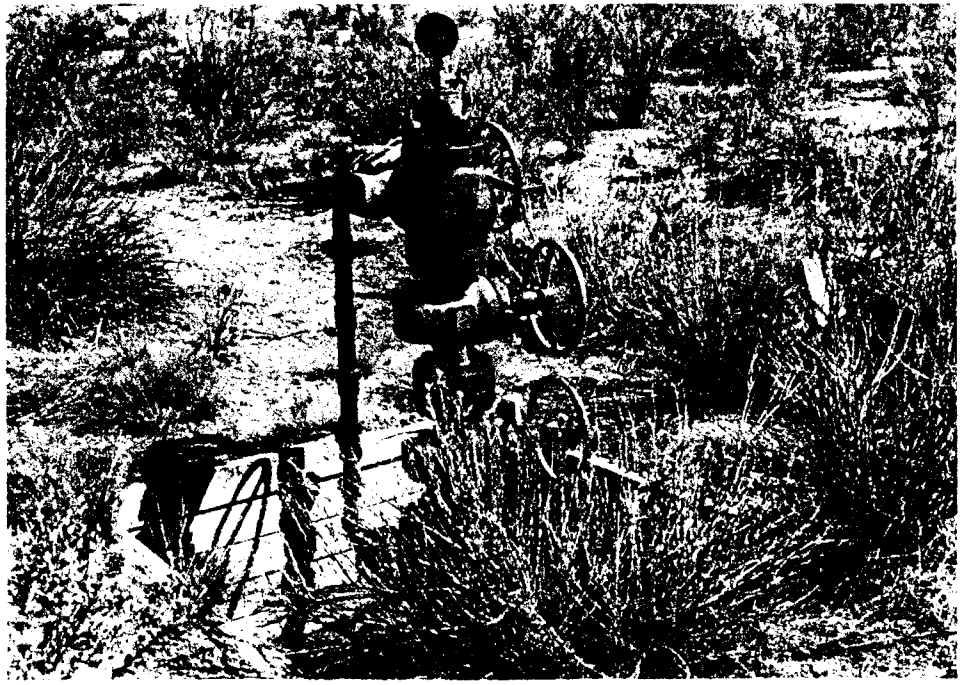
ATTACHMENT D

Well Photographs and Diagrams

Well Photographs Taken in 1997

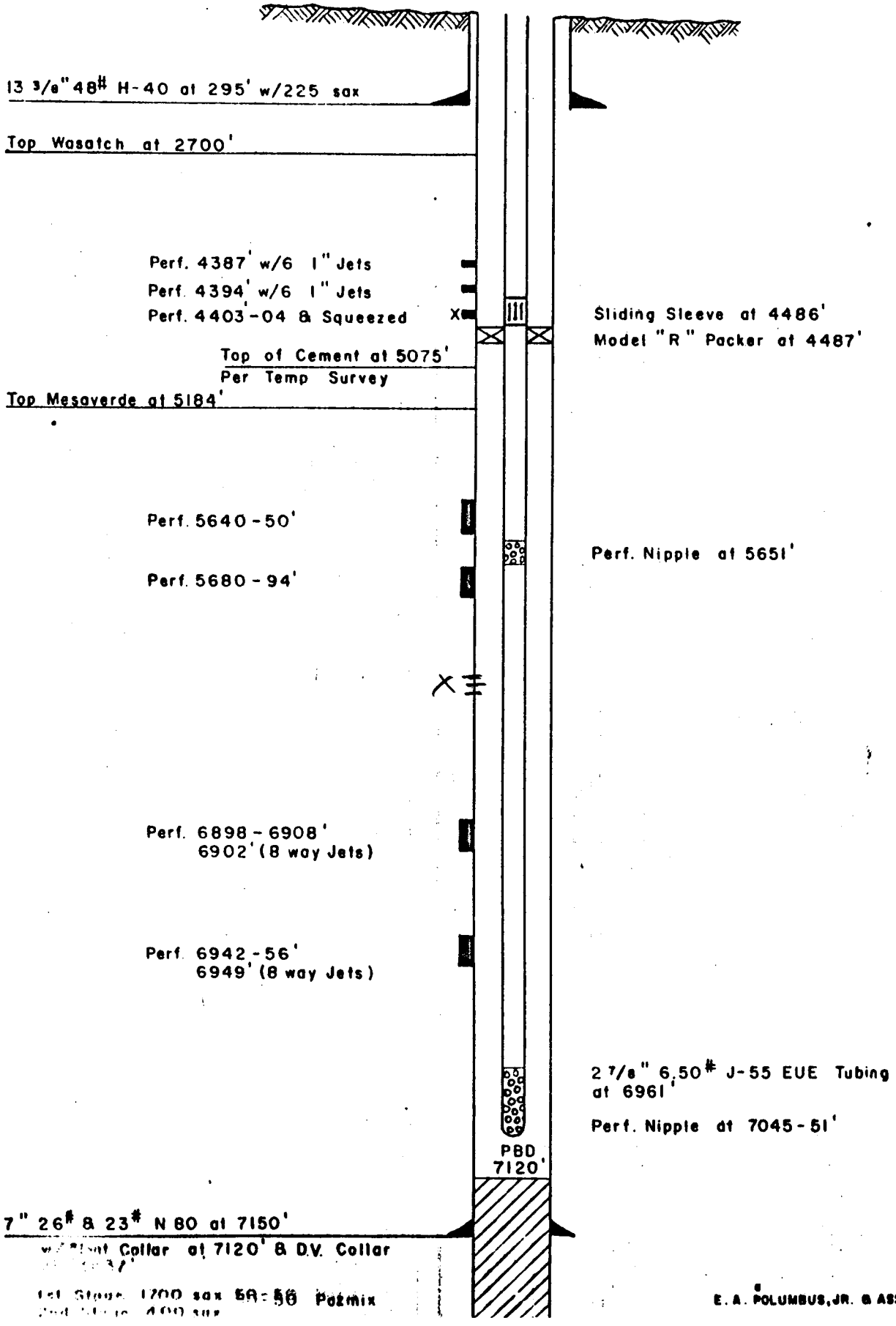
Byllesby #2

Byllesby #1



H. M. BYLLESBY & CO. INC.

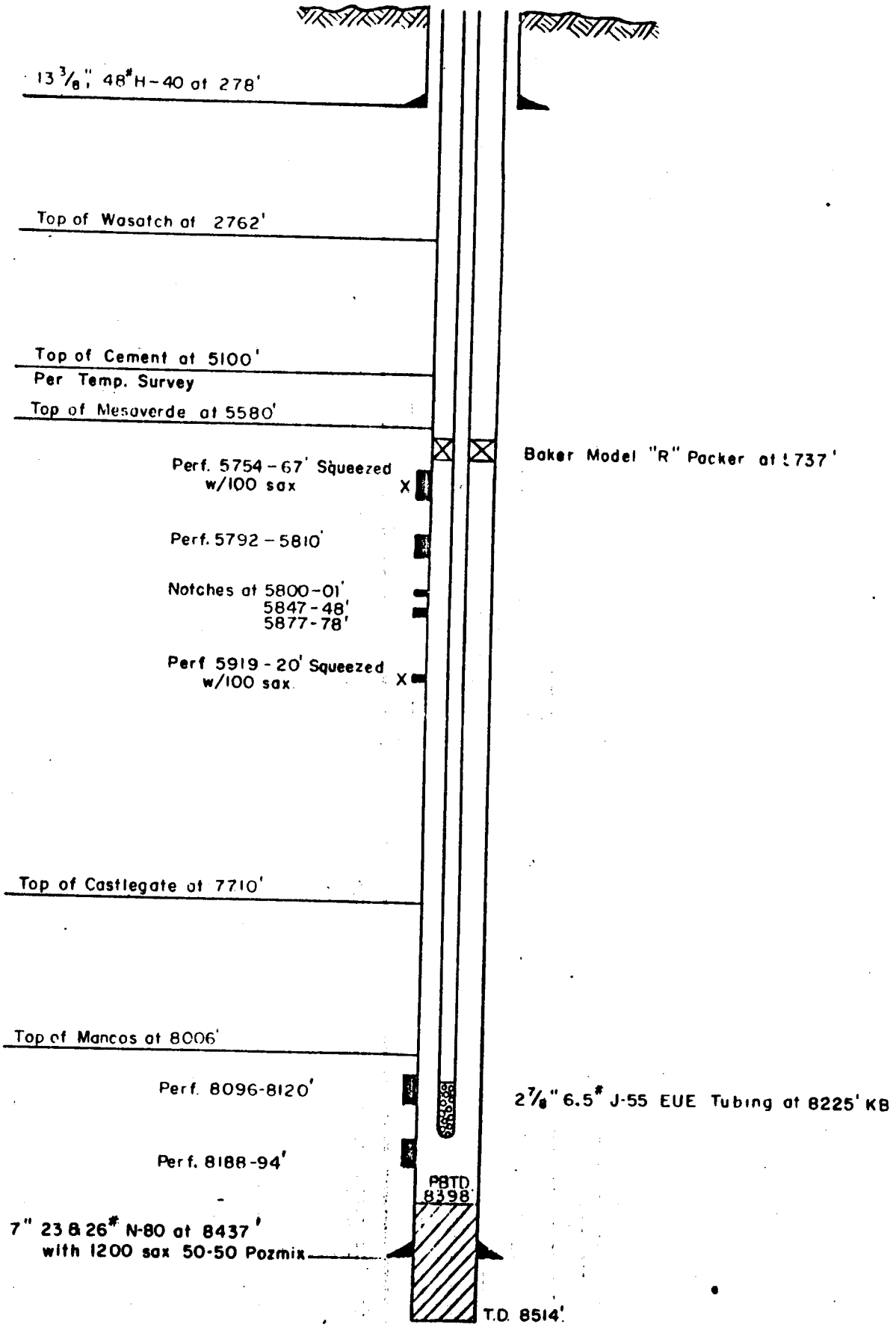
BYLLESBY NO. 1
NW NW SEC. 26 - T. 12 S - R. 20 E.
UINTAH COUNTY, UTAH



E. A. POLUMBUS, JR. & ASSOC. INC.

H. M. BYLLESBY & CO. INC.

BYLLESBY NO. 2
NE SW SEC. 5 - T.13S. - R.20E.
UINTAH COUNTY, UTAH



ATTACHMENT E

Well Plugging Cost Estimates

PROJECT WORK ORDER
ATTACHMENT A

UCS Item	Description	Type	Units	Quantity	Unit Cost	Subtotal
A	**WORKOVER RIG LABOR AND EQUIPMENT**					
A1	4-man crew travel, RT to/from loc., inc. vehicle & wages	---	$/day	6	$400	$2,400
A2	Ops. Super./Cementer inc. trans., pager, & cellular	---	$/hr	40	$60	$2,400
A3	Double-Triple Rig w/BOPE, rams, strip and swab tools	---	$/hr	40	$200	$8,000
A4	Drilling package w/PS, mud pit and triplex pump	---	$/hr	0	$50	$0
A5	Water storage and flow tanks	---	$/day	5	$100	$500
A6	Tubing work string rental	---	$/day/ft	0	$0.10	$0
A7	Standby time - crew and support equipment	---	$/hr	0	$150	$0
B	**CEMENTING SERVICES**					
B1	Balanced plug inc. fluids and testing	---	$/plug	3	$600	$1,800
B2	Surface plug inc. fluids and testing	---	$/plug	1	$400	$400
B3	Pump charge - plug not set	---	$/hr	0	$400	$0
B4	API Class B or H cement - FOB location	---	$/sk	210	$12	$2,520
B5	API Class B or H cement w/ 2% CaCl - FOB location	---	$/sk	110	$13	$1,430
B6.1	Cement Retainer - 4.5 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.2	Cement Retainer - 5.5 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.3	Cement Retainer - 6.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.4	Cement Retainer - 7 ", Type 1 or 2	1 & 2	$/ea	2	$1,160	$2,320
B6.5	Cement Retainer - 7.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.6	Cement Retainer - 8.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.7	Cement Retainer - 9.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.8	Cement Retainer - 10.75 ", Type 1 or 2	N/A	$/ea	0	$0	$0
C	**WIRELINE SERVICES**					
C1	Travel to/from loc., inc. vehicle and wages	---	$/mi	0	$4.00	$0
C2	Annular squeeze perfs - HCS 3 1/8" or 4 ", 3 holes	---	$/event	0	$600	$0
C3	Annular squeeze perfs - Bi-Wire, 2 or 4 holes	---	$/event	0	$500	$0
C4	Jet-cut casing, Type 1 or 2	N/A	$/event	0	$1,100	$0
C5	Jet cut casing shot - Petrogel	---	$/event	0	$800	$0
C6	Free point determination	---	$/event	0	$1,500	$0
C7	Mast truch w/ driver	---	$/hr	0	$60	$0
C8	Depth charge for gage rings, junk basket	---	$/ft	0	$0.15	$0
C9.1	Cement Retainer 4.5 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
C9.2	Cement Retainer 5.5 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
C9.3	Cement Retainer 6.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
C9.4	Cement Retainer 7 ", Type 1, 2 or 3	3	$/ea	0	$1,160	$0
C9.5	Cement Retainer 7.625 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
D	**TRANSPORTATION AND MISC. SERVICES**					
D1	Winch truck w/ driver, inc. wages and mileage	---	$/hr	0	$75	$0
D2	Water truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D3	2-axle rig-up truck w/ driver & helper, wages and mileage	---	$/hr	32	$100	$3,200
D4	1-axle truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D5	Vacuum truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D6	Hot oiler, inc. eqpt., labor and mileage	---	$/hr	0	$110	$0
D7	Welder, inc. eqpt., labor and mileage	---	$/hr	16	$50	$800
D8	P&A Marker per Utah specs.	---	$/ea	1	$100	$100
D9	Packer Fluid per spec.	---	$/bbl	0	$9.00	$0
D10	Per Diem inc. room and board	---	$/man/day	30	$55	$1,650
E	**THIRD PARTY CHARGES**					
E1	Costs plus 15 %	---	$	1.15	$6,000	$6,900
					TOTAL	**$34,420**

NOTES: E1 = Road Construction, water truck and wireline rig ($6,000)

BYLLESBY #1 WELL

ATTACHMENT 1

UCS Item	Description	Type	Units	Quantity	Unit Cost	Subtotal
A	**WORKOVER RIG LABOR AND EQUIPMENT**					
A1	4-man crew travel, RT to/from loc., inc. vehicle & wages	---	$/day	6	$400	$2,400
A2	Ops. Super./Cementer inc. trans., pager, & cellular	---	$/hr	40	$60	$2,400
A3	Double-Triple Rig w/BOPE, rams, strip and swab tools	---	$/hr	40	$200	$8,000
A4	Drilling package w/PS, mud pit and triplex pump	---	$/hr	0	$50	$0
A5	Water storage and flow tanks	---	$/day	5	$100	$500
A6	Tubing work string rental	---	$/day/ft	0	$1.00	$0
A7	Standby time - crew and support equipment	---	$/hr	0	$150	$0
B	**CEMENTING SERVICES**					
B1	Balanced plug inc. fluids and testing	---	$/plug	2	$600	$1,200
B2	Surface plug inc. fluids and testing	---	$/plug	1	$400	$400
B3	Pump charge - plug not set	---	$/hr	0	$400	$0
B4	API Class B or H cement - FOB location	---	$/sk	160	$12	$1,920
B5	API Class B or H cement w/ 2% CaCl - FOB location	---	$/sk	110	$13	$1,430
B6.1	Cement Retainer - 4.5 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.2	Cement Retainer - 5.5 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.3	Cement Retainer - 6.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.4	Cement Retainer - 7 ", Type 1 or 2	1	$/ea	0	$1,500	$0
B6.5	Cement Retainer - 7.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.6	Cement Retainer - 8.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.7	Cement Retainer - 9.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
B6.8	Cement Retainer - 10.75 ", Type 1 or 2	N/A	$/ea	0	$0	$0
C	**WIRELINE SERVICES**					
C1	Travel to/from loc., inc. vehicle and wages	---	$/mi	0	$4.00	$0
C2	Annular squeeze perfs - HCS 3 1/8" or 4 ", 3 holes	---	$/event	0	$600	$0
C3	Annular squeeze perfs - Bi-Wire, 2 or 4 holes	---	$/event	0	$500	$0
C4	Jet-cut casing, Type 1 or 2	N/A	$/event	0	$0	$0
C5	Jet cut casing shot - Petrogel	---	$/event	0	$800	$0
C6	Free point determination	---	$/event	0	$1,500	$0
C7	Mast truch w/ driver	---	$/hr	0	$60	$0
C8	Depth charge for gage rings, junk basket	---	$/ft	0	$0.15	$0
C9.1	Cement Retainer 4.5 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
C9.2	Cement Retainer 5.5 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
C9.3	Cement Retainer 6.625 ", Type 1 or 2	N/A	$/ea	0	$0	$0
C9.4	Cement Retainer 7 ", Type 1, 2 or 3	3	$/ea	1	$1,200	$1,200
C9.5	Cement Retainer 7.625 ", Type 1, 2 or 3	N/A	$/ea	0	$0	$0
D	**TRANSPORTATION AND MISC. SERVICES**					
D1	Winch truck w/ driver, inc. wages and mileage	---	$/hr	0	$75	$0
D2	Water truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D3	2-axle rig-up truck w/ driver & helper, wages and mileage	---	$/hr	32	$100	$3,200
D4	1-axle truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D5	Vacuum truck w/ driver, inc. wages and mileage	---	$/hr	0	$60	$0
D6	Hot oiler, inc. eqpt., labor and mileage	---	$/hr	0	$110	$0
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D8	P&A Marker per Utah specs.	---	$/ea	1	$100	$100
D9	Packer Fluid per spec.	---	$/bbl	0	$9.00	$0
D10	Per Diem inc. room and board	---	$/man/day	30	$55	$1,650
E	**THIRD PARTY CHARGES**					
E1	Costs plus 10 %	---	$	1.15	$ 6,000	$6,900
					TOTAL	**$32,100**

NOTES: E1 = Road construction, water truck and wireline rig ($6,000)

BYLLESBY #2 WELL

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

May 8, 2000

Travelers Insurance Company
Attn: Ms. Pam Ebert, Bond Claim Department
215 Schuman Boulevard
Naperville, Illinois 60563

CERTIFIED MAIL NO. Z350 464 802

Re: Requested Information Regarding Claim for Bond No. 8S82365 ($5,000):Issued by The AETNA Casualty and Surety Company (Travelers Insurance Company), as Surety on behalf of H. M. Byllesby and Company, a Delaware corporation, as Principal

Dear Ms. Ebert:

This letter serves to transmit information you requested in our telephone conservation today. Please find in Attachment A, a letter from Lannan & Company Insurance ("Lannan") dated June 2, 1965 requesting bond cancellation. Also in Attachment A is a response letter to Lannan from the Division of Oil, Gas and Mining ("DOGM", successor to the Oil and Gas Conservation Commission) rejecting the bond cancellation. As we discussed, DOGM has no records regarding the filing of a replacement bond by Advance Ross. Therefore, we request the referenced bond claim be processed.

Please find a copy of the DOGM Bond Release ("Release") in Attachment B. This Release will be executed and forwarded to you along with the original bond upon receipt of the referenced claim payment.

If you have any questions please contact me or John Baza, Associate Director - Oil and Gas Program at (801) 538-5334. Your prompt attention to this matter is appreciated.

Sincerely,

Robert J. Krueger, P.E.
Petroleum Engineer

cc: John R. Baza, PE, Associate Director
Bond File
Byllesby 1 &2 Well Files

Attachments

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

May 8, 2000

Travelers Insurance Company
Attn: Ms. Pam Ebert, Bond Claim Department
215 Schuman Boulevard
Naperville, Illinois 60563

CERTIFIED MAIL NO. Z350 464 802

Re: Requested Information Regarding Claim for Bond No. 8S82365 ($5,000):Issued by The AETNA Casualty and Surety Company (Travelers Insurance Company), as Surety on behalf of H. M. Byllesby and Company, a Delaware corporation, as Principal

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Please find a copy of the DOGM Bond Release ("Release") in Attachment B. This Release will be executed and forwarded to you along with the original bond upon receipt of the referenced claim payment.

If you have any questions please contact me or John Baza, Associate Director - Oil and Gas Program at (801) 538-5334. Your prompt attention to this matter is appreciated.

Sincerely,

Robert J. Krueger, P.E.
Petroleum Engineer

cc: John R. Baza, PE, Associate Director
Bond File
Byllesby 1 &2 Well Files

Attachments

ATTACHMENT A

Correspondence

LANNAN & CO.
INSURANCE
CHICAGO · MINNEAPOLIS · PITTSBURGH · NEW YORK

141 WEST JACKSON BOULEVARD
CHICAGO 60604
WABASH 2-7187

June 2nd, 1965

The State of Utah
Oil and Gas Conservation Commission
Salt Lake City, Utah

Gentlemen:

Re: Oil and Gas Well Drilling
Bond No. 8S82365BC
H. M. Byllesby

Our records indicate that, we have i n force the above captioned bond covering various locations per list attached. This bond should be canceled as our Principal has advised that they are no longer doing business at these location however, we have been unable to find the proper party with whom the bond is filed. We have been corresponding with the Department of Interior of the United States, Bureau of Lan Management but they have been anable to help us. On reviewing our file we find the Obligee under the Bond is the State of Utah, For the Use and Benefit of Oil & Gas Conversion Commission.

The bond was originally issued in the name of H. M. Byllesby but was changed to Advance Ross by rider on October 22nd, 1964. The bond was originally issued on October 4th, 1960.

Will you please chedk you records and advise us of the status of this bond?

Yours very truly,

LANNAN & CO.

A. Kekelik

/ark
encl.

4

June 7, 1965

Lanna & Company Insurance
141 West Jackson Boulevard
Chicago, Illinois 60604

Re: Bond No. 8S82865BC for three Byllesby Wells located in 12 & 13 South, Range 20 East, Uintah County, Utah.

Gentlemen:

Liability of the above mentioned bond cannot be released until such time as the Byllesby No. 1, 2 & 3 wells are plugged and abandoned or a new bond is filed in lieu thereof.

We would suggest that you contact Caldwell and Covington, the agents for Byllesby, P. O. Box 478, Vernal, Utah, to determine the status of these wells.

If some activity does not take place with respect to these wells in the not to distant future, this Commission will probably instigate action to have the wells plugged.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Caldwell & Covington
P. O. Box 478
Vernal, Utah

H. M. BYLLESBY AND COMPANY, INC.

WELL HISTORY

H. M. BYLLESBY #1

June 26, 1961
D.E.A. Johnson

Location:	NW NW, 415' SNL 415' EWL, Sec. 26, T12S, R20E, SLM, Uintah County, Utah.			
Elevation:	Ground:	5637'	KB:	5648
Spud Date:	11/8/60		Rotary Relsd:	1/20/61
Contractor:	Dellson Drlg. Co.		Rig:	Emsco 500 Dwks.
Compltn. Started:	4/12/61		Compltn. Rig Rlsd:	6/11/61
Contractor:	Hegwer Drlg. Co.		Rig:	Cardwell KW 250
TD:	7725'		PBD:	7120 (Float Collar)
IPF:			Formatn:	Mesaverde Paleocene

Casing: **Surface:** 10 jts 312' 13-3/8" 48# H-40 @ 295 KB w 225 sax Reg + 2% Ca Cl_2

Production: 165 Jts 7" 26# & 23# N-80 @ 7150 KB, Float Collar @ 7120' DV Collar @ 4637'. Cemented 1700 sax 50-50 pos. 1st Stage, 400 sax reg. 2nd Stage

Tubing: 220 Jts 2-7/8" 6.50# J-55 EUE @ 6961, Model "R" pkr @ 4487' sliding sleeve assmbly on top of pkr.

Perforated Zones:		Stimulation Treatments:
Mesaverde:	6942-6956	25,000 Gal Petrojel, 10,000# sand, 250# Walnut Hulls
	6898-6908	22,000 Gal Petrojel, 10,000# sand, 800# Hulls
	6949(8-Way Perf) 6902(8-Way Perf)	20,000 Gal Petrojel, 5,000# sand, 1600# Hulls
	5680-5694 5640-5650	38,000 Gal Petrojel, 23,500# sand, 2050# Hulls
Paleocene:	4394(6-1"Jets) 4387(6-1"Jets)	39,700 Gal Ca Cl_2 Water, 15,000# sand, 2500# Hulls

FORMATION TOPS:

	DEPTH		DATUM	THICKNESS
Green River	Surface		-	2700
Wasatch	2700	+	2948	985
Chapita Zone	3115	+	2533	245
Paleocene	3685	+	1963	1499
Mesaverde	5184	+	464	1456
Castlegate	7359	-	1711	231
Mancos	7640	-	1992	-
T.D.	7725		-	-

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ATTACHMENT B

DOGM Bond Release Form

RELEASE

WHEREAS, H. M. Byllesby and Company ("Operator"), as principal, and AETNA Casualty and Surety Company (Travelers Insurance Company) ("Surety"), as surety, issued a bond number 8S82365 in the amount of Five Thousand and no Dollars ($5,000.00) on October 4, 1960 in favor of the State of Utah, which bond provided the State some assurance that a certain well would be plugged pursuant to the rules and regulations of the State of Utah.

WHEREAS, the State of Utah has made a demand on the operator and surety under the referenced bond in the amount of $5,000.00 pursuant to the terms of the bond.

NOW, THEREFORE, in consideration of the payment of Five Thousand and no Dollars ($5,000.00), the State of Utah fully discharges and releases the surety of any and all claims, whether known or unknown, relating to the obligation stated within the terms of the bond. This release shall take full force and effect only upon receipt by the State of Utah of the payment in the amount of $5,000.00, referenced above.

SIGNED AND SEALED this_____ day of May, 2000.

THE STATE OF UTAH
DIVISION OF OIL, GAS AND MINING:

By:_____
Lowell P. Braxton, Director

STATE OF UTAH)
) ss:
COUNTY OF _____)

On the _____ day of May, 2000, personally appeared before me Lowell P. Braxton, who being duly sworn did say that he, the said Lowell P. Braxton is the Director of the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah, and he duly acknowledged to me that he executed the foregoing release by authority of law on behalf of the State of Utah.

_____
Notary Public
Residing at: _____

_____
My Commission Expires:

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

COPY

Plug & Abandonment Report
Division of Oil, Gas & Mining
Project Work Order #2000-02

June 22, 2000

Well Name: **Byllesby #1**
API Number: 43-047-15101
Location: 415' FNL, 415' FWL, Section 26, T-12-S, R-20-E
Uintah County, Utah

Cementing Summary:

Plug #1 with retainer at 6851', mix 60 sxs Class B cement, squeeze 40 sxs below retainer to fill lower Mesaverde perforations and leave 20 sxs above retainer to 6744'.

Plug #2 with 20 sxs Class B cement inside 7" casing from 5590' to 5490' to isolate upper perforations.

Plug #3 with retainer at 4330', mix 50 sxs Class B cement, squeeze 30 sxs below retainer to fill upper Mesaverde perforations and leave 20 sxs above retainer to cover Mesaverde top.

Plug #4 with 30 sxs Class B cement inside casing from 2557' to 2450' to cover Green River Zone.

Plug #5 with 75 sxs Class B cement pumped down the 7" casing from 75' to surface, circulate good cement out bradenhead.

Plugging Summary:

5-10-00 Drive to Vernal, Utah from Farmington, NM for pre-job inspection.

5-11-00 Meeting with Jim Fulkerson w/Key Energy and Jim Justice w/J&L Oilfield Service in Vernal. Drive to Byllesby # 2 and scout new road out of location. Inspect location and wellhead. Drive to Byllesby #1 and inspect wellhead and location. Determine well has tubing in place. Return to Vernal and drive to Farmington.

5-15-00 Prepare Trucks #143 and #105. Drive from Farmington to Vernal hauling trailer with cement retainers and supplies.

5-16-00 Drive pump truck #105 and cement truck #143 to location. Leave trailer and return to Vernal. Drive from Vernal to Farmington.

5-17-00 Drive Key Energy Service Rig #920 from Vernal to location and spot in. Crew travel to home. J-West hauled mud pit to location and empty float to LD tubing. Benco set anchors on location. Drive from Farmington to Vernal.

5-18-00 RU rig and equipment. Layout steel line to pit and relief line to earth pit. Open up well and bleed down 1100# tubing pressure; heavy condensate in strong gas flow, tubing blew dead. RU to blow down casing; now 920#. Open up tubing to pit; strong water flow with gas slugs. Shut in tubing, making very light amount of oil. Blow down 920# on casing, gas with strong water flow.

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

Plug & Abandonment Report

Well Name: **Byllesby #1** API Number: 43-047-15101
Location: 415' FNL, 415' FWL, Section 26, T-12-S, R-20-E, Uintah County, Utah

Plugging Summary Continued:

5-18-00 Continued: Made 80 bbls fluid; mostly oil. Casing pressure 320# flowing strong gas, oil and water. Casing 270# flowing with tubing 320#; open tubing through choke; casing unloading gas and oil cut water. Pump 35 bbls water down tubing; casing blow and tubing on a vacuum. Casing 50# and flowing. ND wellhead and NU BOP, test. NU stripping head and unseat donut. Pull up to release packer; well casing unloaded oil on floor. Installed stripping rubber and LD donut. Worked tubing to release packer. Casing dead then would unload oil and gas slugs. Pump 65 bbls water down casing and work tubing; packer stuck. Pump 35 bbls down tubing and work pipe; release packer. LD 5 joints tubing; packer above top perfs. Shut in well and drive to Vernal.

5-19-00 Drive to location. Casing pressure 635# and tubing pressure 35#; blow down casing then blow down tubing. Pump 60 bbls water down tubing to break circulation then pump 10 more bbls to circulate out oil. Well making some gas. TOH and tally 2-7/8" tubing in good condition. Total 182 joints tubing, 1 4' perfed sub, 1 joint, R-3 packer, 140 joints tubing, 1 4' perfed sub, 1 4' sub with bull plug, total 223 joints, 7028'. LD packer. PU 6-1/8" mill tooth bit, 7" casing scraper and TIH with 6877' tubing, well unloaded up tubing ½ way in. Pump 50 bbls water down tubing and circulate out oil. TOH with casing scraper and LD tubing; started gassing ¾ way out, pump 35 bbls water down tubing, circulated out oil and gas. LD scraper and PU 7" DHS cement retainer; TIH with 40 joints tubing. Shut in well and SDFD.

5-20-00 Drive to location. Casing pressure 300# and tubing pressure 210#. Blow well down venting some gas. Continue to TIH with 7" cement retainer; well gassing some, pump 30 bbls water and set retainer at 6851' (6' KB). Pressure test tubing to 2000#, held OK. Establish rate into lower Mesaverde perforations 1 bpm at 1300#; establish circulation out casing. Plug #1 with retainer at 6851', mix 60 sxs Class B cement, squeeze 40 sxs below retainer to fill lower Mesaverde perforations and leave 20 sxs above retainer to 6744'. TOH with tubing and setting tool. PU 7" DHS cement retainer and TIH with 145 joints 2-7/8" tubing. Left retainer above top perfs. Shut in well and drive to Farmington.

5-22-00 Drive to location. Casing pressure 210# and tubing pressure 160#, blow down tubing and casing pressures. Pump 30 bbls water down tubing, circulate after 7 bbls some oil and gas. TIH with retainer to 5590' set. Sting out of retainer, casing blowing some gas. Sting in and attempt to establish rate; pressured up to 2050# and bled down to 1800# in 20 minutes. Procedure change approved by B. Krueger, OG&M. Plug #2 with 20 sxs Class B cement inside 7" casing from 5590' to 5490' to isolate upper perforations. Pressure test above CR. Pump 2 bpm at 750# into top perforations. TOH with tubing. PU 7" DHS; start in hole when retainer set at 30'. Work tubing and recover setting tool. WO power swivel and drill collar. Unload one 4-3/4" Graco drill collar and handling tools. .

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

Plug & Abandonment Report

Well Name: **Byllesby #1** API Number: 43-047-15101
Location: 415' FNL, 415' FWL, Section 26, T-12-S, R-20-E, Uintah County, Utah

Plugging Summary Continued:

5-22-00 Continued: PU 6-1/8" mill tooth bit, bit sub, 1 4-3/4" dc, x-over, TIW valve, saver sub and Graco Power Swivel. Establish circulation and start drilling on cement retainer at 301'; circulate 3 bpm. Drill 2" of retainer body. Shut in well and drive to Vernal.

5-23-00 Drive to location. Service rig and power swivel engine; pump. Start drilling on 7" retainer with 6-1/8" bit, 1 4-3/4" drill collar, 3 bpm water and 80 RPM, pulling down with winch. Drilling slowly. TOH with 6-1/8" bit and LD. TIH with new 6" bit; drilled 9" in 12 hours. Circulate clean and shut in well. Drive to Vernal.

5-24-00 Drive to location. Open up well; no pressure. Start drilling on retainer with 6" mill tooth bit, 1- 4-3/4" drill collar and winch line pulling down; 80 rpm and 3 bpm water. TOH with BHA and LD 6" bit. PU 6-1/8" flat bottom mill and TIH. Milled for ½ hour and plug loose. Raised dc/mill out of well, snub mill out, release pressure. PU 2 joints tubing and TIH with swivel; plug going down. RD power swivel. Well unloaded oil. Pump 20 bbls water down tubing and circulate out oil. TIH with tubing pushing CR body downhole. Well unloading gas and water up the tubing. Kill well with 30 bbls water and TIH to 4500', CR below perfs. Start to TOH and pulled tight. Pump 30 bbls water down tubing and worked pipe. TOH with tubing and BHA. PU 7" DHS retainer and TIH; set retainer at 4330'. Load casing and circulate out light oil. Pressure test casing to 1000# for 10 min, held OK. Establish rate into perforations 1 bpm at 1200#. Plug #3 with retainer at 4330', mix 50 sxs Class B cement, squeeze 30 sxs below retainer to fill upper Mesaverde perforations and leave 20 sxs above retainer to cover Mesaverde top. TOH and LD tubing to 2557'. Plug #4 with 30 sxs Class B cement inside casing from 2557' to 2450' to cover Green River Zone. TOH with tubing. Shut in well and drive to Vernal.

5-25-00 Drive to location. TIH with tubing and tag cement at 2420'. TOH and LD tubing. RD rig floor and RU A-Plus wireline unit. Perforate 2 bi-wire squeeze holes at 75'. Establish circulation out bradenhead with 20 bbls water. Plug #5 with 75 sxs Class B cement pumped down the 7" casing from 75' to surface, circulate good cement out bradenhead. Shut in well and WOC. RD rig; rack up pit relief lines and MOL. R. Krueger, State of Utah, was on location and approved plugging plans.

6-1-00 J&L dug out wellhead with backhoe. J-West welder cut 13-5/8' and 7" casings to remove wellhead. Found cement down 32' in 7' casing and down 47' in annulus. Prepared marker and cut off anchors.

6-6-00 Road redi-mix cement truck to location. Plug #5 with 80 sxs cement to fill the 7" casing and annulus to the surface. Install P&A marker. Clean up location and fill in pit. Job Completed. David Hackford witnessed this work.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Byllesby #1

2. NAME OF OPERATOR: HM Byllesby and Co.

9. API NUMBER: 4304715101

3. ADDRESS OF OPERATOR: CITY STATE ZIP

PHONE NUMBER:

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 415 FNL, 415 FwL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: nwnw 26 12S 20E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 6/6/2000	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Division P&A Program Action
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6-6-00 the Division's contractor A-Plus Well Service completed well plugging and reclamation work on this well per the attached report (3 pages).

NAME (PLEASE PRINT) Robert J. Krueger TITLE Petroleum Engineer

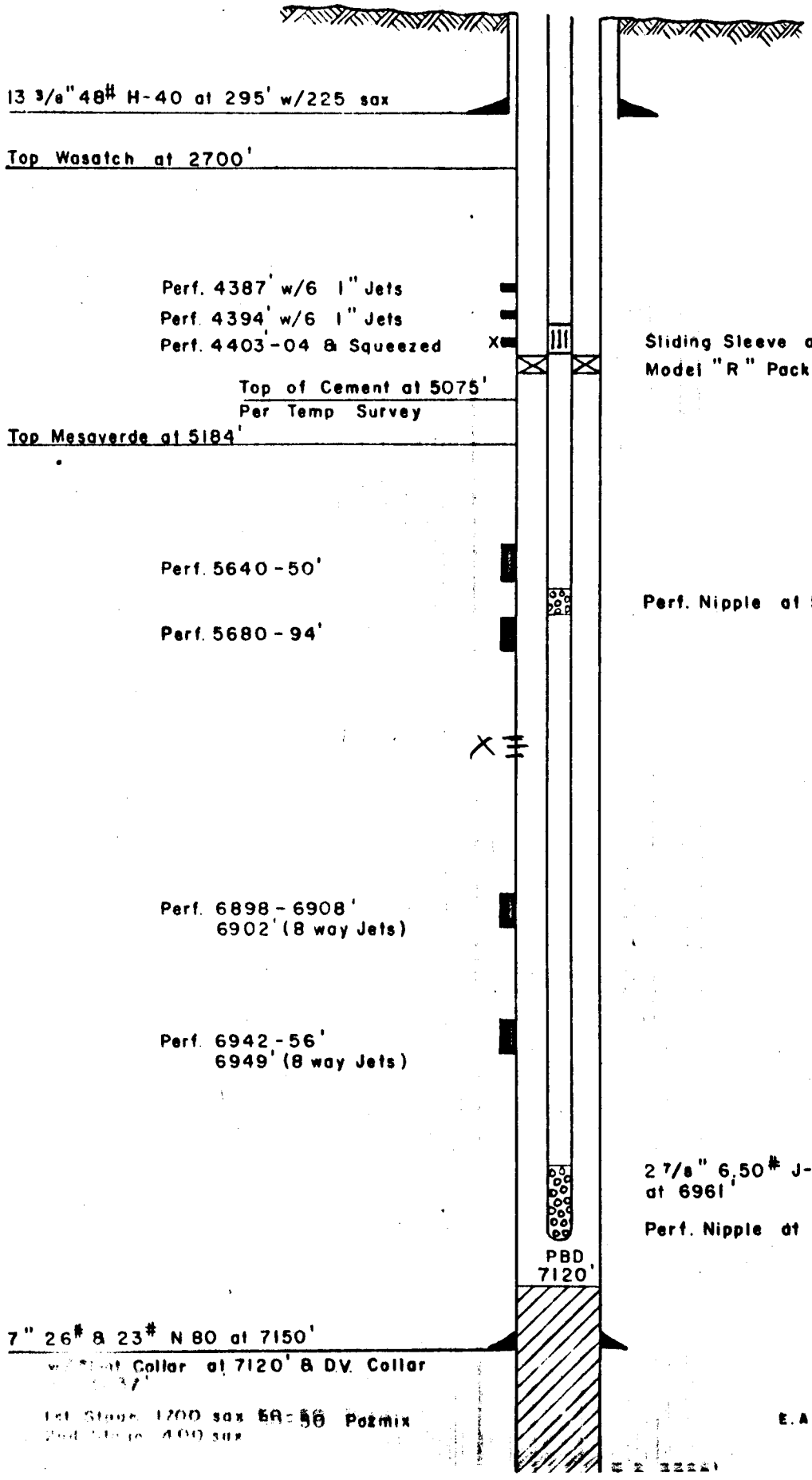
SIGNATURE DATE 7/6/2000

(This space for State use only)

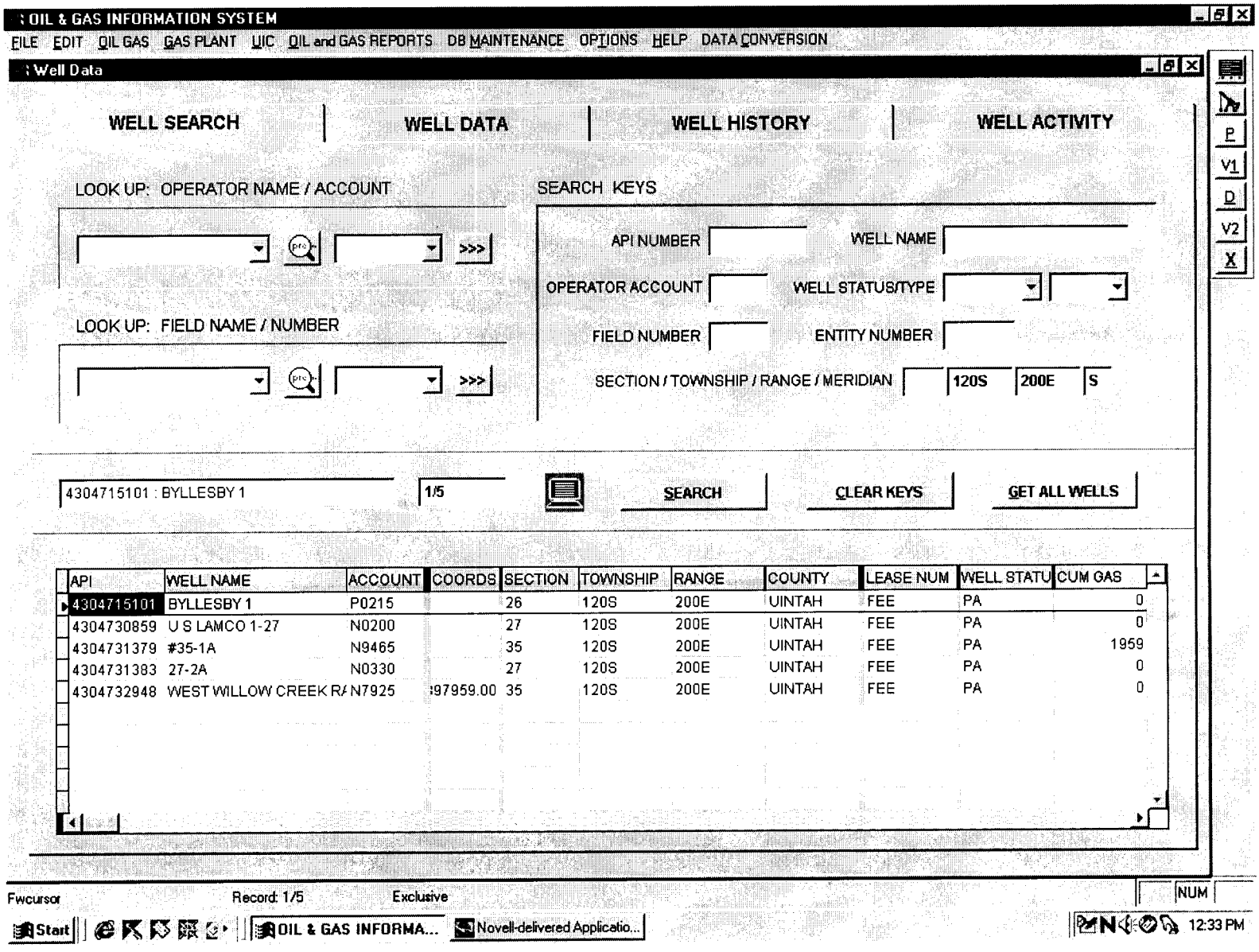
(5/2000) (See Instructions on Reverse Side)

H. M. BYLLESBY & CO. INC.

BYLLESBY NO. 1
NW NW SEC. 26 - T. 12 S - R. 20 E.
UINTAH COUNTY, UTAH



E. A. POLUMBUS, JR. & ASSOC. INC.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4304731383 27-2A N0330 27 120S 200E UINTAH FEE PA 0
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